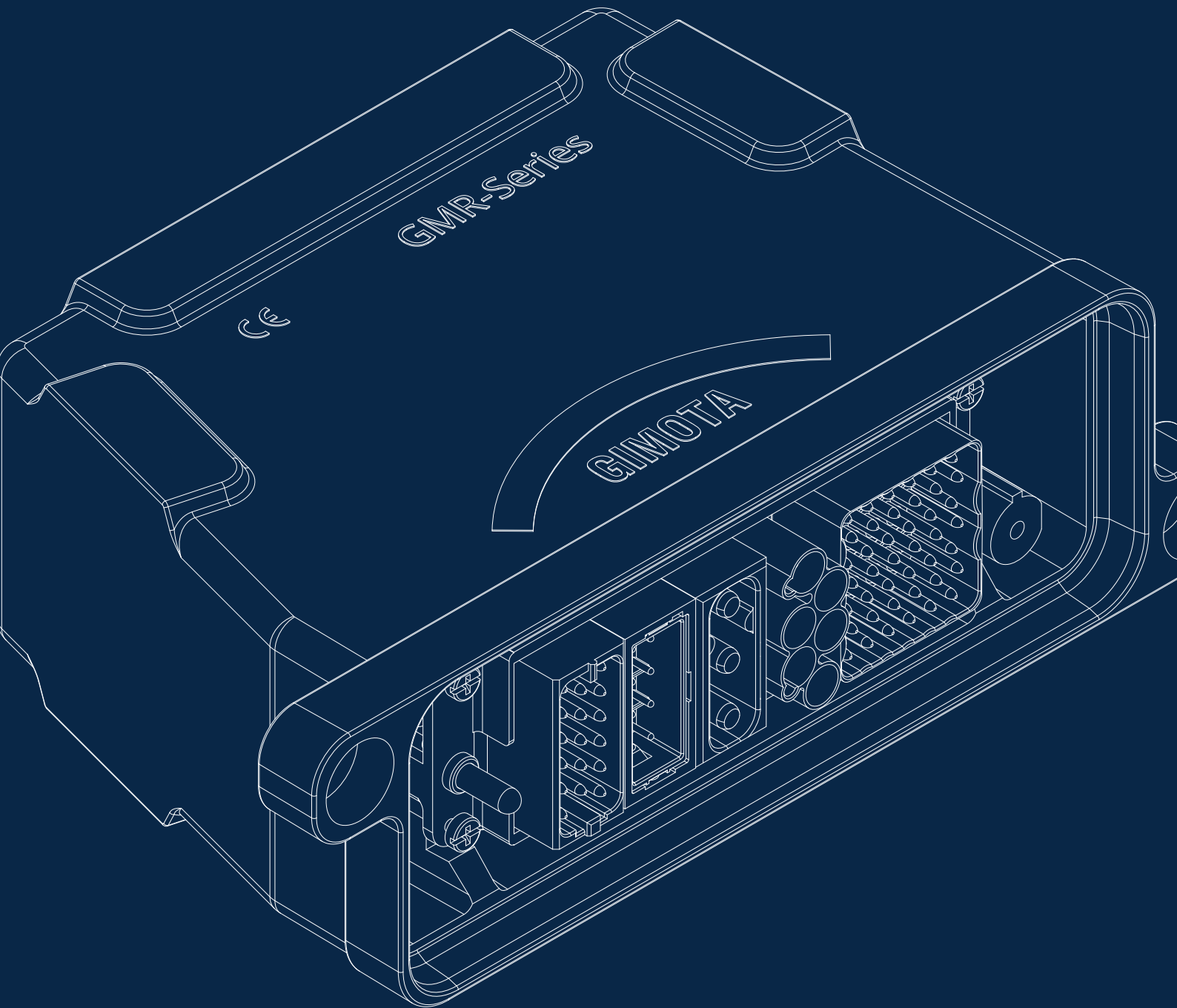




# GMR

## Modular rectangular connectors

Modular connectors developed for the harsh environmental conditions of transportation technology

# General Information

## GIMOTA AG

GIMOTA AG develops and produces connection solutions for railway applications under the toughest conditions. GIMOTA AG is located near Zurich in Switzerland and was founded by Otto Schoch in 1960. The company specialises in connectors for demanding railway applications. "The demanding applications of our customers are our daily challenge and motivation".

Many years of experience in a medium-sized company with high flexibility for customers make GIMOTA a unique partner on the international markets. Driven by a passion for pragmatic and reliable solutions, GIMOTA meets the requirements and expectations of its customers every day.

GIMOTA connectors are used worldwide in rail vehicles for virtually all essential connections. Typically for high current feeds, conventional and electronic control systems, all kinds of sensors, analogue and digital data and signal transmission and much more. This includes solutions that are implemented under almost all conceivable installation conditions and in diverse subsystems on traction units worldwide. For example, GIMOTA connectors are also used in stationary systems for versatile requirements.

GIMOTA supplies most of the leading international railway manufacturers and operators.



### Know-How

Our capital is our long-standing, competent and experienced staff, as well as over 60 years of experience in the design of connectors for railways.



### Innovation

Innovation is at the heart of our work. We encourage our employees to think creatively. This is how we arrive at convincing solutions for our customers.



### Flexibility

Logistics solutions such as "just in time" deliveries, based on framework agreements and acceptance forecasts, or the management of minimum storage quantities are a matter of course for us.



### Customer focus

Special designs according to customer requirements, as well as one-offs and small series are part of our customer-oriented standard.

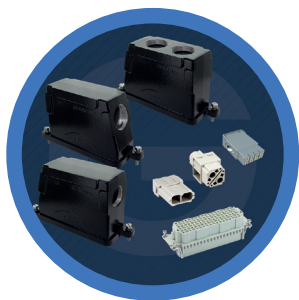
*Quality is our basis for the trust of our customers. We are ISO 9001 and 14001 certified.*





# GMR - Modular rectangular connectors

## Introduction



Inter-car connections, engine, lights, air conditioning, control cabinet, safety systems network, train control

*For outdoor and indoor use, up to 1000 V, up to 200 A, EMC shielding possible, protection class IP69, crimp contacts*



Gimota's GMR series of modular rectangular connectors is a system of contact inserts and accessories which, thanks to its modular design, enables a wide variety of individual connector solutions for signal, data and power transmission in one connector housing.

Various connections of different types can be accommodated in a single housing. They allow maximum flexibility for space-saving installation and are ideally suited for the connection of control cabinets, devices, inter car connections etc. A wide range of inserts and modules arranged side by side allows various connections up to 1000 V and 200A.

Like all other GIMOTA connectors, the GMR series connectors have been developed for the harsh environmental conditions of traffic engineering. Based on the industrially proven rectangular connectors and the DIN EN 61984 standards, they are the logical adaptation to the needs of public transport.

They have turned crimp contacts and, where necessary, a reliable shield connection. Due to the vibration resistance according to DIN EN 61373 as well as the tested protection classes up to IP69 according to DIN EN 60529 and the high fire class, they are particularly suitable for the demands of railway technology. They comply with the European fire protection standard for railway applications EN 45545-2:2013 + A1:2015 and EN 45545-2:2020 in category R22,R23,R24 / HL1,HL2,HL3.

Whether circular connectors or robust rectangular connectors; connectors from Gimota are the right choice for easy and safe connection of cables in and on the train.



### ADVANTAGES

- Suitable for railway applications
- Modular construction
- Ruggedized, solid hoods (aluminium)
- High resistance to vibration, impact and shaking
- Turned crimp contacts



### PROPERTIES

- Transmission characteristics up to 10 Gbits/s CAT 6<sub>A</sub>
- Up to 1000V / 200A
- Operating temperature -40°C to +125°C
- EMC shielding possible
- Based on DIN EN 61984
- EN 45545-2 R22,R23,R24 / HL1,HL2,HL3
- EN 60529 Protection class up to IP69 DIN





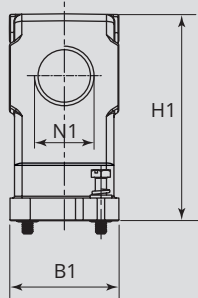
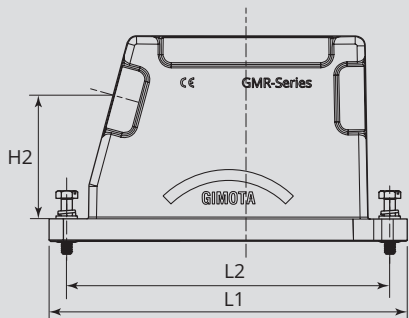
## Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

## Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

## Hood



| Item number          | Size | B1 [mm] | Height [mm] | H2 [mm] | L1 [mm] | L2 [mm] | N1      |  |
|----------------------|------|---------|-------------|---------|---------|---------|---------|--|
| GMRH-24BS-H-SEA-1M20 | 24 B | 58.0    | 110         | 65.3    | 192.0   | 173.0   | M20x1.5 |  |
| GMRH-24BS-H-SEA-1M25 | 24 B | 58.0    | 110         | 65.3    | 192.0   | 173.0   | M25x1.5 |  |
| GMRH-24BS-H-SEA-1M32 | 24 B | 58.0    | 110         | 65.3    | 192.0   | 173.0   | M32x1.5 |  |
| GMRH-24BS-H-SEA-1M40 | 24 B | 58.0    | 110         | 65.3    | 192.0   | 173.0   | M40x1.5 |  |
| GMRH-24BS-H-SEA-1M50 | 24 B | 58.0    | 110         | 65.3    | 192.0   | 173.0   | M50x1.5 |  |



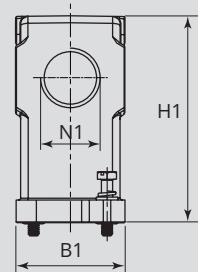
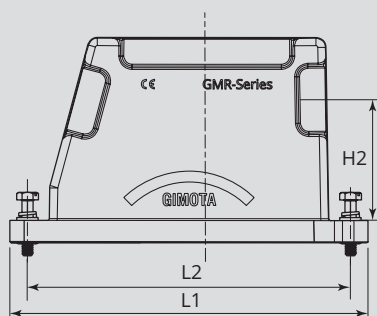
#### Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

#### Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

#### Hood



| Item number          | Size | B1 [mm] | Height [mm] | H2 [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------|------|---------|-------------|---------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-H-SEV-1M20 | 24 B | 58.0    | 110         | 64.8    | 192.0   | 173.0   | M20x1.5 |  |
| GMRH-24BS-H-SEV-1M25 | 24 B | 58.0    | 110         | 64.8    | 192.0   | 173.0   | M25x1.5 |  |
| GMRH-24BS-H-SEV-1M32 | 24 B | 58.0    | 110         | 64.8    | 192.0   | 173.0   | M32x1.5 |  |
| GMRH-24BS-H-SEV-1M40 | 24 B | 58.0    | 110         | 64.8    | 192.0   | 173.0   | M40x1.5 |  |
| GMRH-24BS-H-SEV-1M50 | 24 B | 58.0    | 110         | 64.8    | 192.0   | 173.0   | M50x1.5 |  |



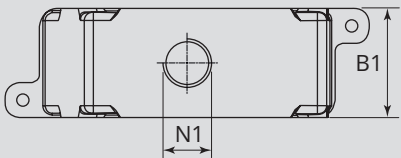
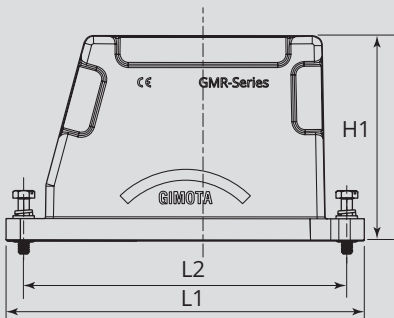
## Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

## Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

## Hood



| Item number          | Size | B1 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------|------|---------|-------------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-H-TEH-1M20 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M20x1.5 |  |
| GMRH-24BS-H-TEH-1M25 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M25x1.5 |  |
| GMRH-24BS-H-TEH-1M32 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M32x1.5 |  |
| GMRH-24BS-H-TEH-1M40 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M40x1.5 |  |
| GMRH-24BS-H-TEH-1M50 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M50x1.5 |  |





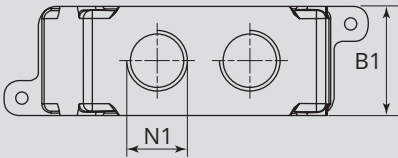
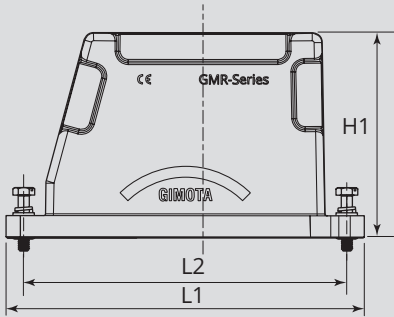
## Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

## Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

## Hood



| Item number          | Size | B1 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------|------|---------|-------------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-H-TEH-2M20 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M20x1.5 |  |
| GMRH-24BS-H-TEH-2M25 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M25x1.5 |  |
| GMRH-24BS-H-TEH-2M32 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M32x1.5 |  |
| GMRH-24BS-H-TEH-2M40 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M40x1.5 |  |



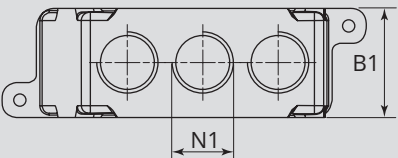
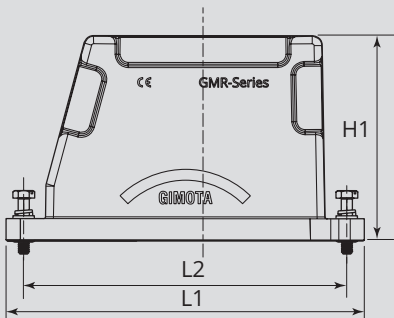
## Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

## Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

## Hood

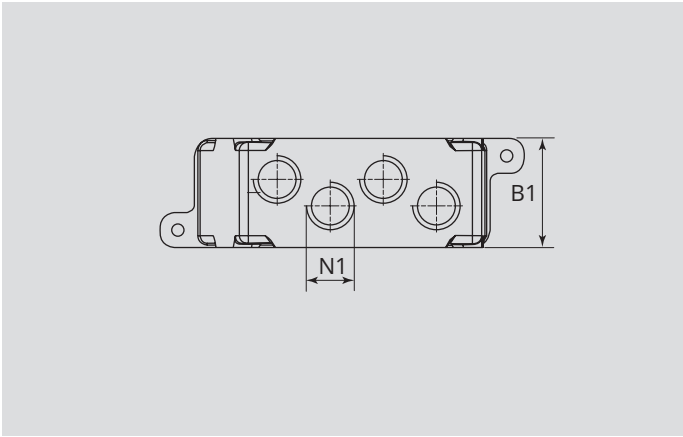
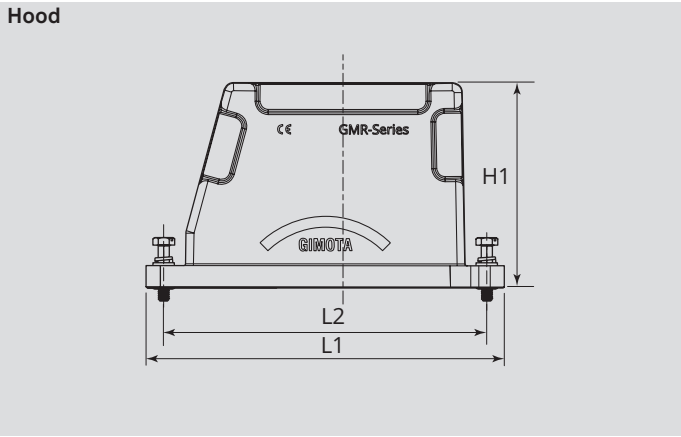


| Item number          | Size | B1 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------|------|---------|-------------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-H-TEH-3M20 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M20x1.5 |  |
| GMRH-24BS-H-TEH-3M25 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M25x1.5 |  |
| GMRH-24BS-H-TEH-3M32 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M32x1.5 |  |



| Technical characteristics  |                                | Standards                 |                                                   |
|----------------------------|--------------------------------|---------------------------|---------------------------------------------------|
| Shell material             | Aluminium die-cast             | Protection class EN 60529 | IP69                                              |
| Surface                    | Powder-coated                  | RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| Surface colour             | RAL 9005 (jet black)           | REACH-compliant           | SVHC substances, yes - Lead                       |
| Locking mode               | Screw locking                  |                           |                                                   |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |                           |                                                   |
| Operation temperature [°C] | -40 - +125                     |                           |                                                   |
| Number of slots            | 6 modules                      |                           |                                                   |
| Cable strain relief        | Cable gland                    |                           |                                                   |

Hood



| Item number          | Size | B1 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------|------|---------|-------------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-H-TEH-4M20 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M20x1.5 |  |
| GMRH-24BS-H-TEH-4M25 | 24 B | 58.0    | 110         | 192.0   | 173.0   | M25x1.5 |  |



## Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Number of slots            | 6 modules                      |
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |

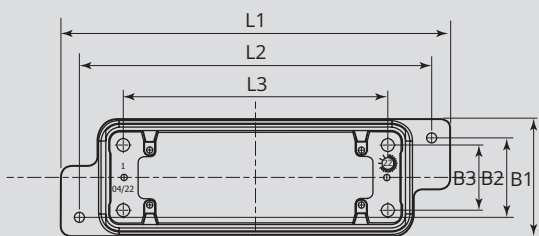
## Technical characteristics

|                  |           |
|------------------|-----------|
| Number of slots  | 6 modules |
| Earth connection | Yes       |

## Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

## Bulkhead mounted housing



| Item number     | Size | L1 [mm] | L2 [mm] | L3 [mm] | B1 [mm] | B2 [mm] | B3 [mm] | Height [mm] |
|-----------------|------|---------|---------|---------|---------|---------|---------|-------------|
| GMRH-24BS-BK-IF | 24 B | 192     | 173     | 130     | 58      | 39      | 32      | 29          |





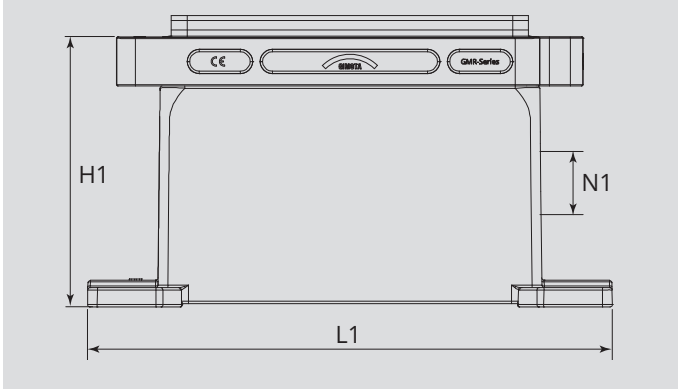
## Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

## Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

## Hood



| Item number                | Size | B1 [mm] | B2 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------------|------|---------|---------|-------------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-BBK-180-SEV-1M25 | 24 B | 80.0    | 60      | 111         | 216     | 187     | M25x1.5 |  |
| GMRH-24BS-BBK-180-SEV-1M32 | 24 B | 110.4   | 60      | 88          | 216     | 187     | M32x1.5 |  |
| GMRH-24BS-BBK-180-SEV-1M40 | 24 B | 110.4   | 60      | 88          | 216     | 187     | M40x1.5 |  |



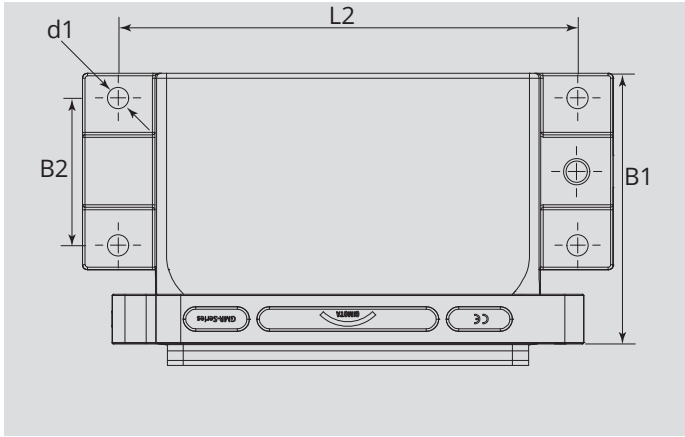
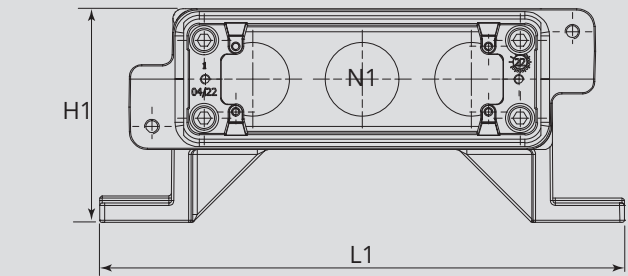
#### Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

#### Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

#### Hood



| Item number                | Size | B1 [mm] | B2 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |
|----------------------------|------|---------|---------|-------------|---------|---------|---------|
| GMRH-24BS-BBK-090-TEH-3M25 | 24 B | 110.4   | 60      | 88          | 216     | 187     | M25x1.5 |







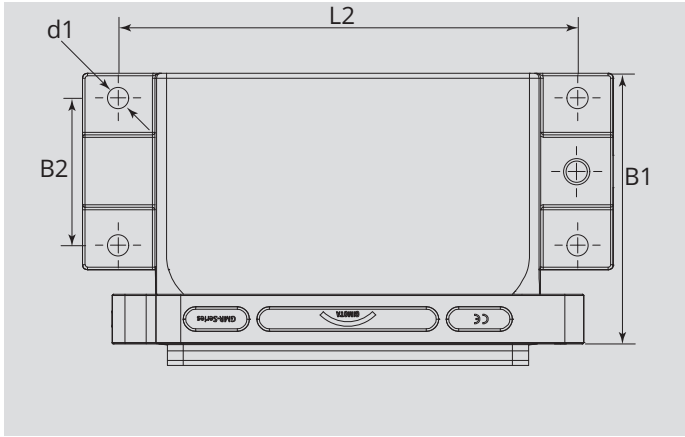
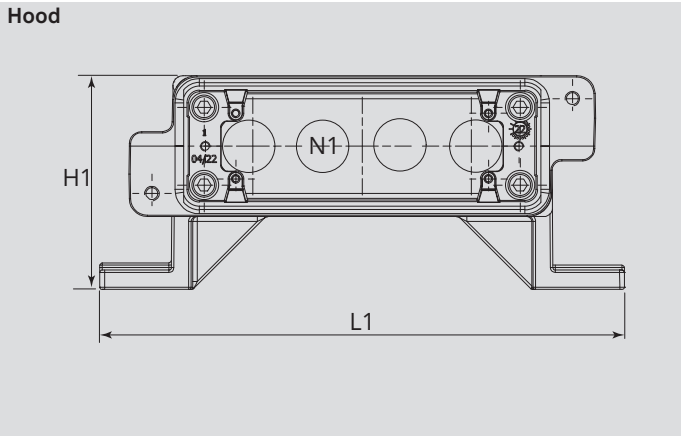
#### Technical characteristics

|                            |                                |
|----------------------------|--------------------------------|
| Shell material             | Aluminium die-cast             |
| Surface                    | Powder-coated                  |
| Surface colour             | RAL 9005 (jet black)           |
| Locking mode               | Screw locking                  |
| Material sealing ring      | Nitrile Butadiene Rubber (NBR) |
| Operation temperature [°C] | -40 - +125                     |
| Number of slots            | 6 modules                      |
| Cable strain relief        | Cable gland                    |

#### Standards

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Protection class EN 60529 | IP69                                              |
| RoHS-compliant            | Compliant acc. to 2015/863/EU (RoHS II), Annex II |
| REACH-compliant           | SVHC substances, yes - Lead                       |

#### Hood



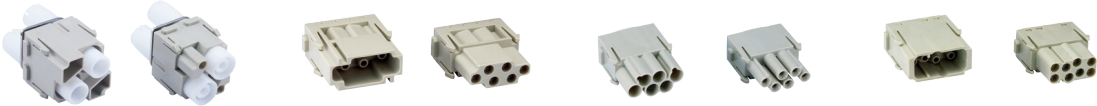
| Item number                | Size | B1 [mm] | B2 [mm] | Height [mm] | L1 [mm] | L2 [mm] | N1      |                                                                                       |
|----------------------------|------|---------|---------|-------------|---------|---------|---------|---------------------------------------------------------------------------------------|
| GMRH-24BS-BBK-090-TEH-4M20 | 24 B | 110.4   | 60      | 88          | 216     | 187     | M20x1.5 |  |
| GMRH-24BS-BBK-090-TEH-4M25 | 24 B | 110.4   | 60      | 88          | 216     | 187     | M25x1.5 |  |

# GMR - Rectangular connectors

## Overview modules

| Modules                                                                            | GMRM-1000-200-1PHC-02 | GMRM-830-100-1PKC-01 | GMRM-1000-100-2PKC-02 | GMRM-1000-70-2PK70C-01 |
|------------------------------------------------------------------------------------|-----------------------|----------------------|-----------------------|------------------------|
|                                                                                    | GMRM-1000-200-1SHC-02 | GMRM-830-100-1SKC-01 | GMRM-1000-100-2SKC-02 | GMRM-1000-70-2SK70C-01 |
| Number of Contacts                                                                 | 1                     | 1                    | 2                     | 2                      |
|  |                       |                      |                       |                        |
| Rated current (A)                                                                  | 200                   | 100                  | 100                   | 70                     |
| Rated voltage (V)                                                                  | 1000                  | 830                  | 1000                  | 1000                   |
| Wire gauge (mm²)                                                                   | 25 - 70               | 10 - 35              | 10 - 35               | 10 - 25                |

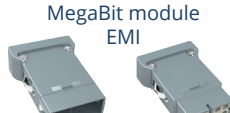
| Modules                                                                             | GMRM-1000-40-2PCC-01 | GMRM-690-40-3PCC-01 | GMRM-830-40-4PCC-01 | GMRM-5000-40-2PCC-02     |
|-------------------------------------------------------------------------------------|----------------------|---------------------|---------------------|--------------------------|
|                                                                                     | GMRM-1000-40-2SCC-01 | GMRM-690-40-3SCC-01 | GMRM-830-40-4SCC-01 | GMRM-5000-40-2SCC-02     |
| Number of Contacts                                                                  | 2                    | 3                   | 4                   | 2                        |
|  |                      |                     |                     |                          |
| Rated current (A)                                                                   | 40                   | 40                  | 40                  | 40                       |
| Rated voltage (V)                                                                   | 1000                 | 690                 | 830                 | 5000 / 2900 $\downarrow$ |
| Wire gauge (mm²)                                                                    | 1.5 - 10             | 1.5 - 10            | 1.5 - 6             | 1.5 - 10                 |

| Modules                                                                              | GMRM-5000-16-2PEC-02     | GMRM-500-16-6PEC-01 | GMRM-830-16-6PEC-01 | GMRM-400-16-8PEC-01 |
|--------------------------------------------------------------------------------------|--------------------------|---------------------|---------------------|---------------------|
|                                                                                      | GMRM-5000-16-2SEC-02     | GMRM-500-16-6SEC-01 | GMRM-830-16-6SEC-01 | GMRM-400-16-8SEC-01 |
| Number of Contacts                                                                   | 2                        | 6                   | 6                   | 8                   |
|  |                          |                     |                     |                     |
| Rated current (A)                                                                    | 16                       | 16                  | 16                  | 16                  |
| Rated voltage (V)                                                                    | 5000 / 2900 $\downarrow$ | 500                 | 830                 | 400                 |
| Wire gauge (mm²)                                                                     | 0.37 - 4                 | 0.14 - 4            | 0.14 - 4            | 0.14 - 4            |

| Modules                                                                              | GMRM-500-16-20PEC-02 | GMRM-250-10-12PZC-01 | GMRM-160-10-17PZC-01 | GMRM-150-10-42PZC-02 |
|--------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|
|                                                                                      | GMRM-500-16-20SEC-02 | GMRM-250-10-12SZC-01 | GMRM-160-10-17SZC-01 | GMRM-150-10-42SZC-02 |
| Number of Contacts                                                                   | 20                   | 12                   | 17                   | 42                   |
|  |                      |                      |                      |                      |
| Rated current (A)                                                                    | 16                   | 10                   | 10                   | 10                   |
| Rated voltage (V)                                                                    | 500                  | 250                  | 160V                 | 150                  |
| Wire gauge (mm²)                                                                     | 0.14 - 4             | 0.14 - 2.5           | 0.14 - 2.5           | 0.14 - 2.5           |

# GMR - Rectangular connectors

## Overview modules

| Modules            | GMRM-50-4-25PSC-01                                                                | GMRM-AMG-8P-01                                                                    | GMRM-MBE-8PZC-AMG                                                                  | GMRM-MB-8PZC-AMG                                                                    |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                    | GMRM-50-4-25SSC-01                                                                | GMRM-AMG-8S-01                                                                    | GMRM-MBE-8SZC-AMG                                                                  | GMRM-MB-8SZC-AMG                                                                    |
| Number of Contacts | 42                                                                                | Adapter to MB and GB modules                                                      | 2 x 4 + Screen                                                                     | 2 x 4                                                                               |
|                    |  |  |  |  |
| Rated current (A)  | 4                                                                                 |                                                                                   | 10                                                                                 | 10                                                                                  |
| Rated voltage (V)  | 50                                                                                |                                                                                   | 50                                                                                 | 50                                                                                  |
| Wire gauge (mm²)   | 0.09 - 0.52                                                                       |                                                                                   | 0.14 - 2.5                                                                         | 0.14 - 2.5                                                                          |

| Modules            | GMRM-GBE-8PSC-AMG                                                                  | GMRM-GB-8PSC-AMG                                                                   | GMRA-CC-MG-5-7                                                                      | GMRA-CC-MG-9-11                                                                      |
|--------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                    | GMRM-GBE-8SSC-AMG                                                                  | GMRM-GB-8SSC-AMG                                                                   | GMRA-CC-MG-7-10                                                                     | GMRA-CC-MG-10-12                                                                     |
| Number of Contacts | 4 x 2 + Screen                                                                     | 4 x 2                                                                              | for MB and GB modules                                                               | for MB and GB modules                                                                |
|                    |  |  |  |  |
| Rated current (A)  | 5                                                                                  | 5                                                                                  | Clamping range                                                                      | Clamping range                                                                       |
| Rated voltage (V)  | 40                                                                                 | 40                                                                                 | 5 - 7mm    7 - 10mm                                                                 | 9 - 11mm    10 - 12mm                                                                |
| Wire gauge (mm²)   | 0.09 - 0.82                                                                        | 0.09 - 0.82                                                                        |                                                                                     |                                                                                      |

| Modules            | GMRM-AQC-2P-02                                                                      | GMRM-50-10-4PZC-AQC                                                                 | GMRM-50-5-8PSC-AQC                                                                   | GMRM-BM-01                                                                            |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                    | GMRM-AQC-2S-02                                                                      | GMRM-50-10-4SZC-AQC                                                                 | GMRM-50-5-8SSC-AQC                                                                   |                                                                                       |
| Number of Contacts | Adapter for Q-CoaX modules                                                          | 4 + Screen                                                                          | 8 + Screen                                                                           | Blind module                                                                          |
|                    |  |  |  |  |
| Rated current (A)  |                                                                                     | 50                                                                                  | 50                                                                                   |                                                                                       |
| Rated voltage (V)  |                                                                                     | 10                                                                                  | 5                                                                                    |                                                                                       |
| Clamping range     |                                                                                     | 3 - 9.5                                                                             | 3 - 9.5                                                                              |                                                                                       |

| Modules            | GMRF-500-16-24PEC-24                                                                | GMRF-500-16-46PEC-24                                                                | GMRF-500-16-64PEC-24                                                                 | GMRF-250-10-108PZC-24                                                                 |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                    | GMRF-500-16-24SEC-24                                                                | GMRF-500-16-46SEC-24                                                                | GMRF-250-10-12SZC-01                                                                 | GMRF-250-10-108SZC-24                                                                 |
| Number of Contacts | 24 + PE                                                                             | 46 + PE                                                                             | 64 + PE                                                                              | 108 + PE                                                                              |
|                    |  |  |  |  |
| Rated current (A)  | 16                                                                                  | 16                                                                                  | 16                                                                                   | 10                                                                                    |
| Rated voltage (V)  | 500                                                                                 | 500                                                                                 | 500                                                                                  | 250                                                                                   |
| Wire gauge (mm²)   | 0.5 - 4                                                                             | 0.5 - 4                                                                             | 0.5 - 4                                                                              | 0.5 - 2.5                                                                             |



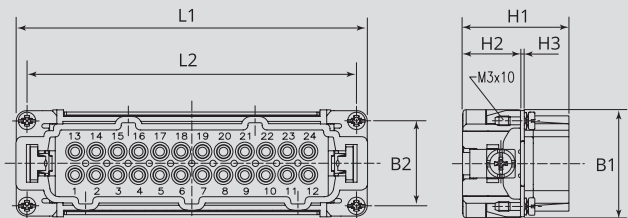
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of contacts                | 24 + PE            |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 16                 |
| Operating voltage [V]             | 500                |
| Test voltage DC [V]               | 6                  |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

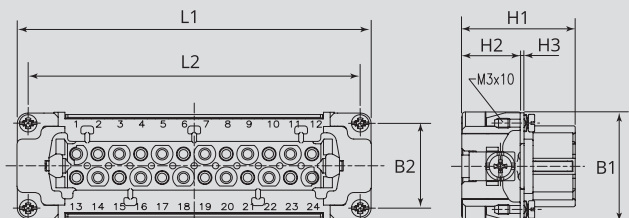
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

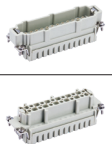
## Pin insert



## Socket insert



| Item number          | Contact type | L1 [mm] | L2 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] | H3 [mm] |
|----------------------|--------------|---------|---------|---------|---------|-------------|---------|---------|
| GMRF-500-16-24PEC-24 | Pin          | 111.0   | 104.0   | 34.0    | 27.0    | 33.5        | 18.3    | 1.2     |
| GMRF-500-16-24SEC-24 | Socket       | 111.0   | 104.0   | 34.0    | 27.0    | 33.5        | 18.3    | 1.2     |



## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



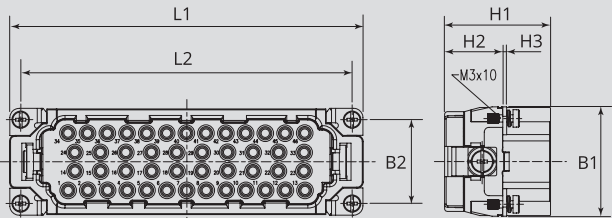
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of contacts                | 46 + PE            |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 16                 |
| Operating voltage [V]             | 500 (PD2 = 830)    |
| Test voltage DC [V]               | 6 (PD2 = 8)        |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

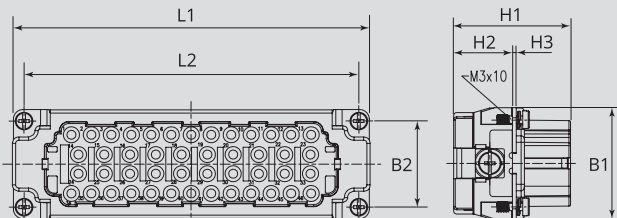
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin insert



## Socket insert



| Item number          | Contact type | L1 [mm] | L2 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] | H3 [mm] |
|----------------------|--------------|---------|---------|---------|---------|-------------|---------|---------|
| GMRF-500-16-46PEC-24 | Pin          | 111.0   | 104.0   | 34.0    | 27.0    | 33.5        | 18.3    | 1.2     |
| GMRF-500-16-46SEC-24 | Socket       | 111.0   | 104.0   | 34.0    | 27.0    | 36.2        | 18.3    | 1.2     |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



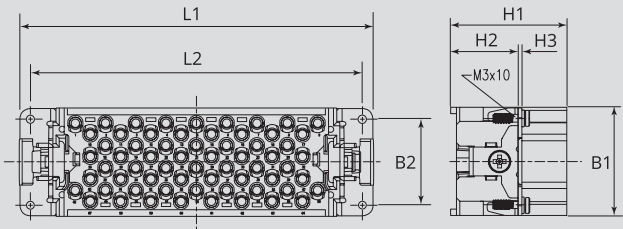
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of contacts                | 64 + PE            |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 16                 |
| Operating voltage [V]             | 500 (PD2 = 830)    |
| Test voltage DC [V]               | 6 (PD2 = 8)        |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

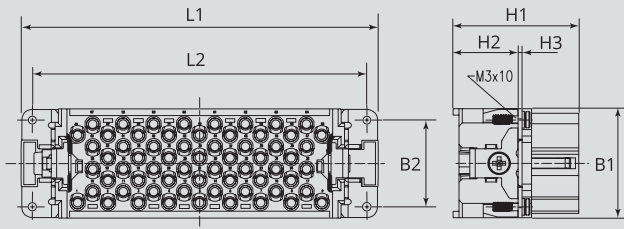
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

### Pin insert



### Socket insert



| Item number          | Contact type | L1 [mm] | L2 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] | H3 [mm] |
|----------------------|--------------|---------|---------|---------|---------|-------------|---------|---------|
| GMRF-500-16-64PEC-24 | Pin          | 111.0   | 104.0   | 33.8    | 27.0    | 36.2        | 21.2    | 1.2     |
| GMRF-500-16-64SEC-24 | Socket       | 111.0   | 104.0   | 33.8    | 27.0    | 36.2        | 21.2    | 1.2     |

### Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

### Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



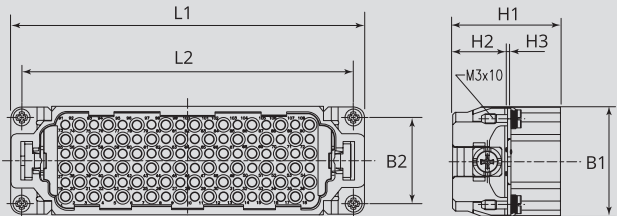
## Technical characteristics

|                                   |                     |
|-----------------------------------|---------------------|
| Number of contacts                | 108 + PE            |
| Material contact insert           | Polycarbonate (PC)  |
| Operating temperature insert [°C] | -40 - +125          |
| Number of mating cycles (min.)    | 500                 |
| Rated current [A]                 | 10                  |
| Operating voltage [V]             | 250 (PD2 = 230/400) |
| Test voltage DC [V]               | 4                   |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>   |
| Pollution degree                  | 3                   |

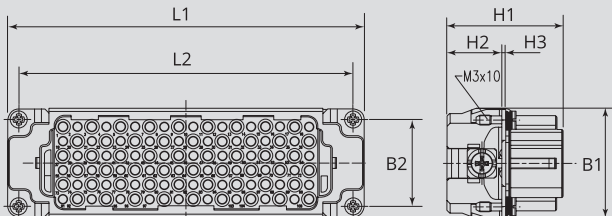
## Standards

|                                      |                              |
|--------------------------------------|------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664 |
| Fire protection class DIN EN 45545-2 | R23/HL3                      |
| Flammability rating UL 94            | V0                           |
| RoHS-compliant                       | Compliant                    |
| REACH-compliant                      | SVHC substances, no          |

### Pin insert



### Socket insert



| Item number           | Contact type | L1 [mm] | L2 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] | H3 [mm] |
|-----------------------|--------------|---------|---------|---------|---------|-------------|---------|---------|
| GMRF-250-10-108PZC-24 | Pin          | 111.0   | 104.0   | 34.0    | 27.0    | 34          | 17.3    | 1.2     |
| GMRF-250-10-108SZC-24 | Socket       | 111.0   | 104.0   | 34.0    | 27.0    | 36.1        | 17      | 1.2     |



### Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

### Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |



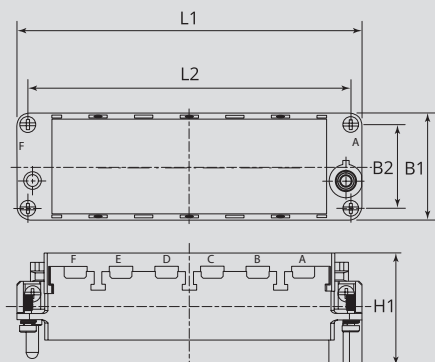
## Technical characteristics

|                                |            |
|--------------------------------|------------|
| Number of slots                | 6 modules  |
| Shell material                 | Zinc cast  |
| Operating temperature [°C]     | -40 - +125 |
| Number of mating cycles (min.) | 500        |

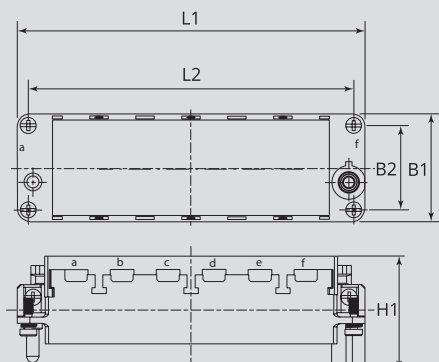
## Standards

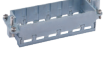
|                 |                                                       |
|-----------------|-------------------------------------------------------|
| RoHS-compliant  | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant | SVHC substances, yes - Lead                           |

### Hinge frame F - A



### Hinge frame a - f



| Item number      | L1 [mm] | L2 [mm] | B1 [mm] | B2 [mm] | Height [mm] |                                                                                       |
|------------------|---------|---------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRS-24-3-UAF-06 | 111.0   | 104.0   | 34.4    | 27.0    | 36.5        |  |
| GMRS-24-3-LAF-06 | 111.0   | 104.0   | 34.4    | 27.0    | 36.5        |  |

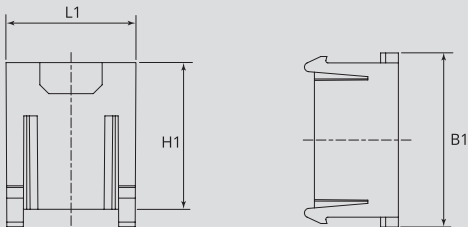




| Technical characteristics         |                              |
|-----------------------------------|------------------------------|
| Number of slots                   | 1                            |
| Material contact insert           | Polycarbonate (PC)           |
| Operating temperature insert [°C] | -40 - +125                   |
| Standards                         |                              |
| Basic standards                   | DIN EN 61984<br>DIN EN 60664 |

| Standards                            |                                   |
|--------------------------------------|-----------------------------------|
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

Blindmodul



| Item number | L1 [mm] | B1 [mm] | Height [mm] |
|-------------|---------|---------|-------------|
| GMRM-BM-01  | 14.6    | 34.2    | 16.5        |



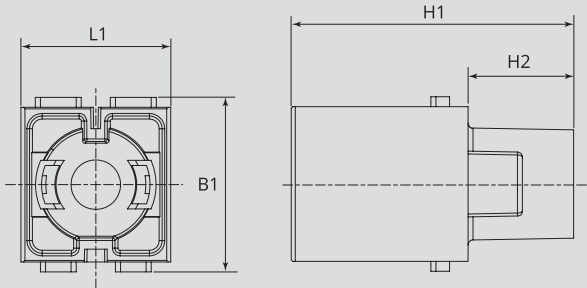
### Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 2                  |
| Number of contacts                 | 1                  |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 200                |
| Operating voltage [V]              | 1000               |
| Test voltage DC [V]                | 8                  |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

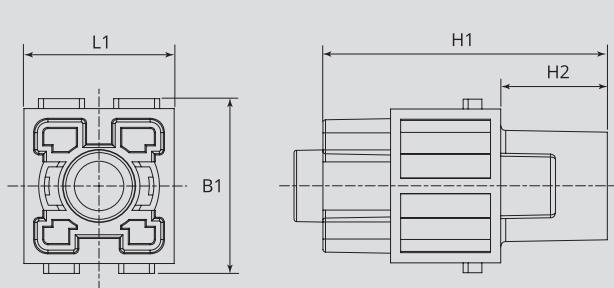
### Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

### Pin module



### Socket module



| Item number           | Contact type | L1 [mm] | B1 [mm] | Height [mm] | H2 [mm] |
|-----------------------|--------------|---------|---------|-------------|---------|
| GMRM-1000-200-1PHC-02 | Pin          | 29.4    | 34.2    | 56.2        | 21      |
| GMRM-1000-200-1SHC-02 | Socket       | 29.4    | 34.2    | 61.7        | 24.7    |



### Pin contacts



|               |                                                |
|---------------|------------------------------------------------|
| GMRC-PHC-25AG | Pin contact HC series, 200A, 25mm <sup>2</sup> |
| GMRC-PHC-35AG | Pin contact HC series, 200A, 35mm <sup>2</sup> |
| GMRC-PHC-50AG | Pin contact HC series, 200A, 50mm <sup>2</sup> |
| GMRC-PHC-70AG | Pin contact HC series, 200A, 70mm <sup>2</sup> |

### Socket contacts



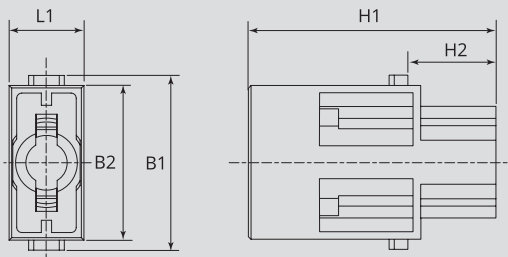
|               |                                                   |
|---------------|---------------------------------------------------|
| GMRC-SHC-25AG | Socket contact HC series, 200A, 25mm <sup>2</sup> |
| GMRC-SHC-35AG | Socket contact HC series, 200A, 35mm <sup>2</sup> |
| GMRC-SHC-50AG | Socket contact HC series, 200A, 50mm <sup>2</sup> |
| GMRC-SHC-70AG | Socket contact HC series, 200A, 70mm <sup>2</sup> |



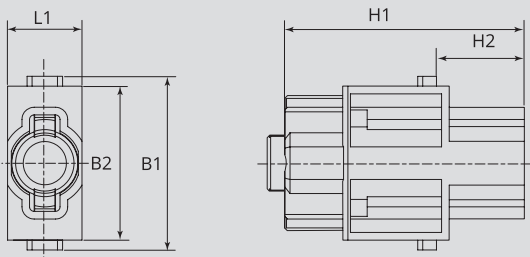
| Technical characteristics         |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 1                  |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Max. cable insulation Ø [mm]      | 13                 |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 100                |
| Operating voltage [V]             | 830                |
| Test voltage DC [V]               | 8                  |

| Technical characteristics            |                                   |
|--------------------------------------|-----------------------------------|
| Insulation resistance (Ω )           | ≥10 <sup>10</sup>                 |
| Pollution degree                     | 3                                 |
| Standards                            |                                   |
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] |                                                                                       |
|----------------------|--------------|---------|---------|---------|-------------|---------|---------------------------------------------------------------------------------------|
| GMRM-830-100-1PKC-01 | Pin          | 14.6    | 34.2    | 30.3    | 48.7        | 17.3    |  |
| GMRM-830-100-1SKC-01 | Socket       | 14.6    | 34.2    | 30.3    | 47.2        | 17.3    |  |

## Pin contacts



|               |                                                |
|---------------|------------------------------------------------|
| GMRC-PKC-10AG | Pin contact KC series, 100A, 10mm <sup>2</sup> |
| GMRC-PKC-16AG | Pin contact KC series, 100A, 16mm <sup>2</sup> |
| GMRC-PKC-25AG | Pin contact KC series, 100A, 25mm <sup>2</sup> |
| GMRC-PKC-35AG | Pin contact KC series, 100A, 35mm <sup>2</sup> |

## Socket contacts



|               |                                                   |
|---------------|---------------------------------------------------|
| GMRC-SKC-10AG | Socket contact KC series, 100A, 10mm <sup>2</sup> |
| GMRC-SKC-16AG | Socket contact KC series, 100A, 16mm <sup>2</sup> |
| GMRC-SKC-25AG | Socket contact KC series, 100A, 25mm <sup>2</sup> |
| GMRC-SKC-35AG | Socket contact KC series, 100A, 35mm <sup>2</sup> |



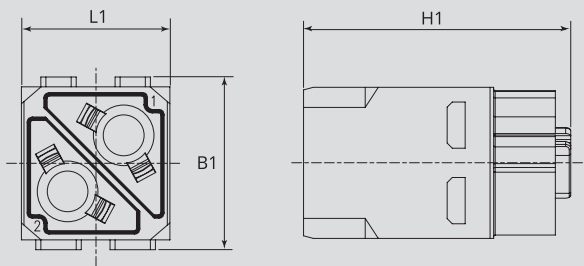
## Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 2                  |
| Number of contacts                 | 2                  |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 100                |
| Operating voltage [V]              | 1000               |
| Test voltage DC [V]                | 8                  |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

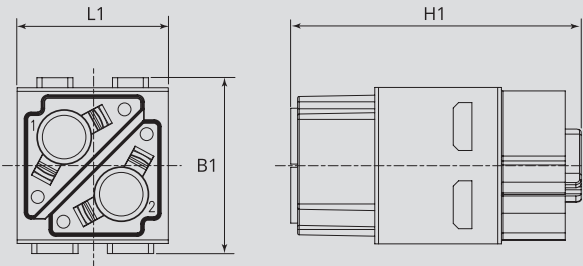
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number           | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|-----------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-1000-100-2PKC-02 | Pin          | 29.4    | 34.2    | 52          |  |
| GMRM-1000-100-2SKC-02 | Socket       | 29.4    | 34.2    | 54.6        |  |

## Pin contacts



|               |                                                |
|---------------|------------------------------------------------|
| GMRC-PKC-10AG | Pin contact KC series, 100A, 10mm <sup>2</sup> |
| GMRC-PKC-16AG | Pin contact KC series, 100A, 16mm <sup>2</sup> |
| GMRC-PKC-25AG | Pin contact KC series, 100A, 25mm <sup>2</sup> |
| GMRC-PKC-35AG | Pin contact KC series, 100A, 35mm <sup>2</sup> |

## Socket contacts



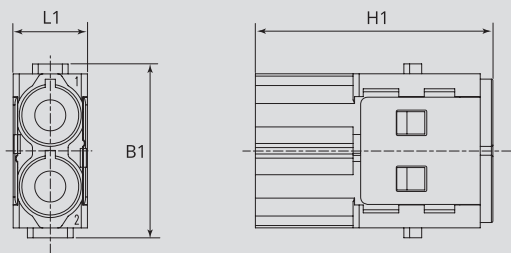
|               |                                                   |
|---------------|---------------------------------------------------|
| GMRC-SKC-10AG | Socket contact KC series, 100A, 10mm <sup>2</sup> |
| GMRC-SKC-16AG | Socket contact KC series, 100A, 16mm <sup>2</sup> |
| GMRC-SKC-25AG | Socket contact KC series, 100A, 25mm <sup>2</sup> |
| GMRC-SKC-35AG | Socket contact KC series, 100A, 35mm <sup>2</sup> |



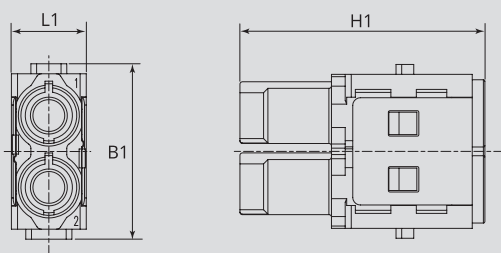
| Technical characteristics         |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 2                  |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 70                 |
| Operating voltage [V]             | 1000               |
| Test voltage DC [V]               | 8                  |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

| Standards                            |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number            | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|------------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-1000-70-2SK70C-01 | Socket       | 14.6    | 34.2    | 48.2        |  |
| GMRM-1000-70-2PK70C-01 | Pin          | 14.6    | 34.2    | 46.7        |  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SK70C-6AG  | Socket contact K70C series, 70A, 6mm <sup>2</sup>  |
| GMRC-SK70C-10AG | Socket contact K70C series, 70A, 10mm <sup>2</sup> |
| GMRC-SK70C-16AG | Socket contact K70C series, 70A, 16mm <sup>2</sup> |
| GMRC-SK70C-25AG | Socket contact K70C series, 70A, 25mm <sup>2</sup> |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PK70C-6AG  | Pin contact K70C series, 70A, 6mm <sup>2</sup>  |
| GMRC-PK70C-10AG | Pin contact K70C series, 70A, 10mm <sup>2</sup> |
| GMRC-PK70C-16AG | Pin contact K70C series, 70A, 16mm <sup>2</sup> |
| GMRC-PK70C-25AG | Pin contact K70C series, 70A, 25mm <sup>2</sup> |



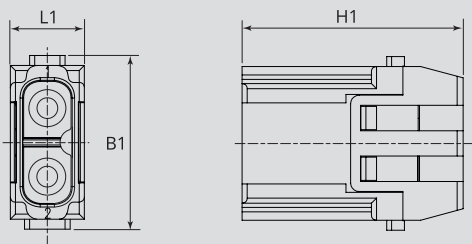
## Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 1                  |
| Number of contacts                 | 2                  |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 40                 |
| Operating voltage [V]              | 1000               |
| Test voltage DC [V]                | 8                  |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

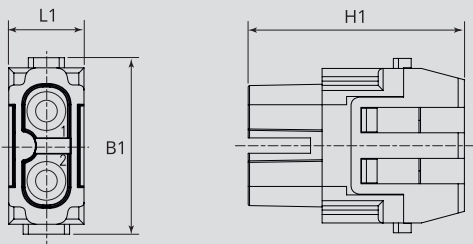
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|----------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-1000-40-2PCC-01 | Pin          | 14.6    | 34.2    | 43.7        |  |
| GMRM-1000-40-2SCC-01 | Socket       | 14.6    | 34.2    | 42.4        |  |

## Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PCC-1.5AG  | Pin contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-PCC-2.5AG  | Pin contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-PCC-4.0AG  | Pin contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-PCC-6.0AG  | Pin contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-PCC-10.0AG | Pin contact CC series, 40A, 10mm <sup>2</sup>  |

## Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SCC-1.5AG  | Socket contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-SCC-2.5AG  | Socket contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-SCC-4.0AG  | Socket contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-SCC-6.0AG  | Socket contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-SCC-10.0AG | Socket contact CC series, 40A, 10mm <sup>2</sup>  |



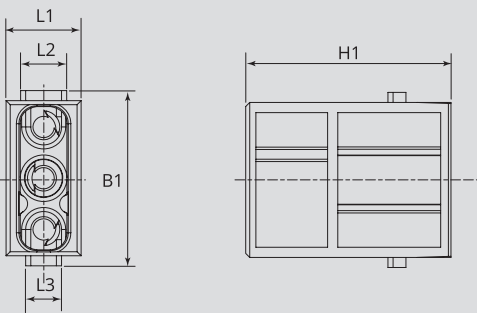
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 3                  |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 40                 |
| Operating voltage [V]             | 690                |
| Test voltage DC [V]               | 8                  |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

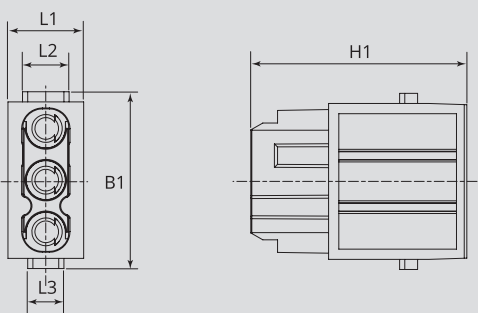
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number         | Contact type | L1 [mm] | B1 [mm] | Height [mm] |
|---------------------|--------------|---------|---------|-------------|
| GMRM-690-40-3PCC-01 | Pin          | 14.6    | 34.2    | 40.1        |
| GMRM-690-40-3SCC-01 | Socket       | 14.6    | 34.2    | 42          |



## Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PCC-1.5AG  | Pin contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-PCC-2.5AG  | Pin contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-PCC-4.0AG  | Pin contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-PCC-6.0AG  | Pin contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-PCC-10.0AG | Pin contact CC series, 40A, 10mm <sup>2</sup>  |

## Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SCC-1.5AG  | Socket contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-SCC-2.5AG  | Socket contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-SCC-4.0AG  | Socket contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-SCC-6.0AG  | Socket contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-SCC-10.0AG | Socket contact CC series, 40A, 10mm <sup>2</sup>  |



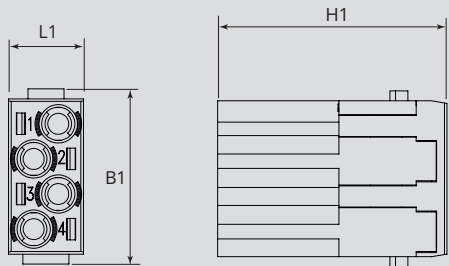
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 4                  |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 40                 |
| Operating voltage [V]             | 830                |
| Test voltage DC [V]               | 8                  |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

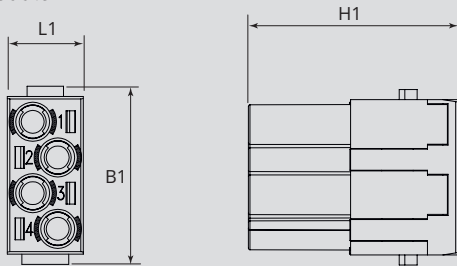
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number         | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|---------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-830-40-4PCC-01 | Pin          | 14.6    | 34.2    | 44.6        |  |
| GMRM-830-40-4SCC-01 | Socket       | 14.6    | 34.2    | 40.9        |  |

## Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PCC-1.5AG  | Pin contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-PCC-2.5AG  | Pin contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-PCC-4.0AG  | Pin contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-PCC-6.0AG  | Pin contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-PCC-10.0AG | Pin contact CC series, 40A, 10mm <sup>2</sup>  |

## Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SCC-1.5AG  | Socket contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-SCC-2.5AG  | Socket contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-SCC-4.0AG  | Socket contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-SCC-6.0AG  | Socket contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-SCC-10.0AG | Socket contact CC series, 40A, 10mm <sup>2</sup>  |





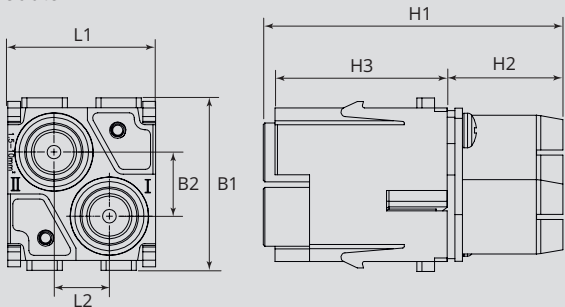
## Technical characteristics

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| Number of slots                   | 2                                                      |
| Number of contacts                | 2                                                      |
| Material contact insert           | Polycarbonate (PC) /<br>Polytetrafluoroethylene (PTFE) |
| Operating temperature insert [°C] | -40 - +125                                             |
| Max. cable insulation Ø [mm]      | 9                                                      |
| Number of mating cycles (min.)    | 500                                                    |
| Rated current [A]                 | 40                                                     |
| Operating voltage [V]             | 5000 / 2900                                            |
| Test voltage DC [V]               | 15                                                     |

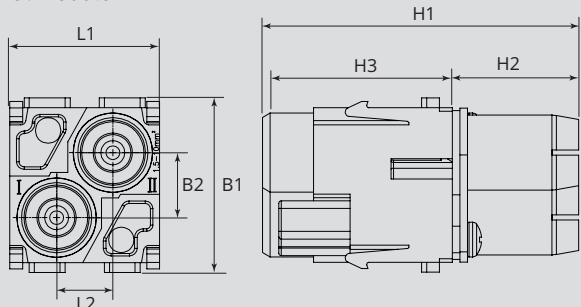
## Technical characteristics

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Insulation resistance ( $\Omega$ )   | $\geq 10^{10}$                    |
| Pollution degree                     | 3                                 |
| <b>Standards</b>                     |                                   |
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] |                                                                                       |
|----------------------|--------------|---------|---------|---------|-------------|---------|---------------------------------------------------------------------------------------|
| GMRM-5000-40-2PCC-02 | Pin          | 29.3    | 34.2    | 12.7    | 59.1        | 34      |  |
| GMRM-5000-40-2SCC-02 | Socket       | 29.3    | 34.2    | 12.7    | 62          | 34      |  |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



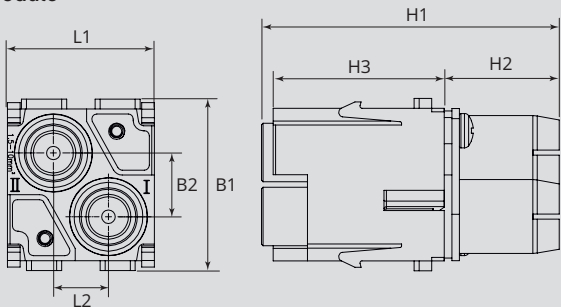
## Technical characteristics

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| Number of slots                   | 2                                                      |
| Number of contacts                | 2                                                      |
| Material contact insert           | Polycarbonate (PC) /<br>Polytetrafluoroethylene (PTFE) |
| Operating temperature insert [°C] | -40 - +125                                             |
| Number of mating cycles (min.)    | 500                                                    |
| Rated current [A]                 | 16                                                     |
| Operating voltage [V]             | 5000 / 2900                                            |
| Test voltage DC [V]               | 15                                                     |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>                                      |
| Pollution degree                  | 3                                                      |

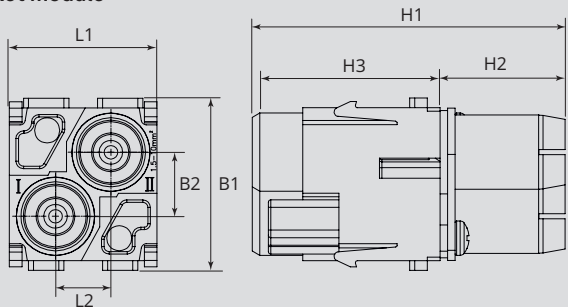
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] |                                                                                       |
|----------------------|--------------|---------|---------|---------|-------------|---------|---------------------------------------------------------------------------------------|
| GMRM-5000-16-2PEC-02 | Pin          | 29.3    | 34.2    | 12.7    | 59.1        | 34      |  |
| GMRM-5000-16-2SEC-02 | Socket       | 29.3    | 34.2    | 12.7    | 62          | 34      |  |

## Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PCC-1.5AG  | Pin contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-PCC-2.5AG  | Pin contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-PCC-4.0AG  | Pin contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-PCC-6.0AG  | Pin contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-PCC-10.0AG | Pin contact CC series, 40A, 10mm <sup>2</sup>  |

## Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SCC-1.5AG  | Socket contact CC series, 40A, 1.5mm <sup>2</sup> |
| GMRC-SCC-2.5AG  | Socket contact CC series, 40A, 2.5mm <sup>2</sup> |
| GMRC-SCC-4.0AG  | Socket contact CC series, 40A, 4mm <sup>2</sup>   |
| GMRC-SCC-6.0AG  | Socket contact CC series, 40A, 6mm <sup>2</sup>   |
| GMRC-SCC-10.0AG | Socket contact CC series, 40A, 10mm <sup>2</sup>  |



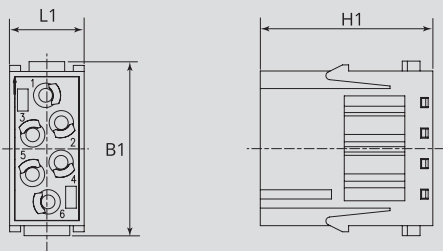
### Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 1                  |
| Number of contacts                 | 6                  |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 16                 |
| Operating voltage [V]              | 500                |
| Test voltage DC [V]                | 6                  |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

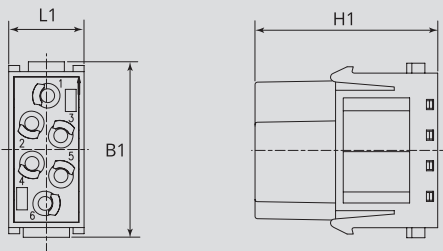
### Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

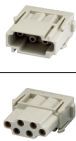
### Pin module



### Socket module



| Item number         | Contact type | L1 [mm] | B1 [mm] | Height [mm] |
|---------------------|--------------|---------|---------|-------------|
| GMRM-500-16-6PEC-01 | Pin          | 14.6    | 34.2    | 34          |
| GMRM-500-16-6SEC-01 | Socket       | 14.6    | 34.2    | 35.8        |



### Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

### Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



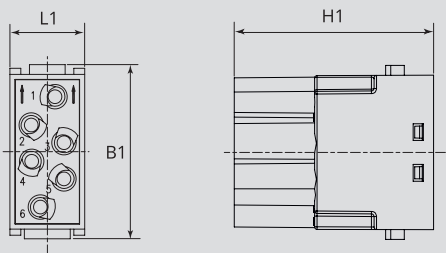
## Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 1                  |
| Number of contacts                 | 6                  |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 16                 |
| Operating voltage [V]              | 830                |
| Test voltage DC [V]                | 8                  |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

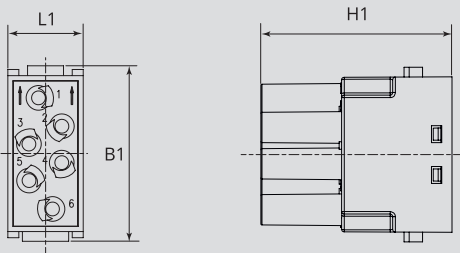
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number         | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|---------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-830-16-6PEC-01 | Pin          | 14.6    | 34.2    | 39.4        |  |
| GMRM-830-16-6SEC-01 | Socket       | 14.6    | 34.2    | 37.4        |  |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



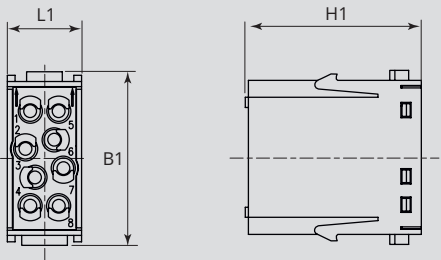
## Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 1                  |
| Number of contacts                 | 8                  |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 16                 |
| Operating voltage [V]              | 400                |
| Test voltage DC [V]                | 6                  |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

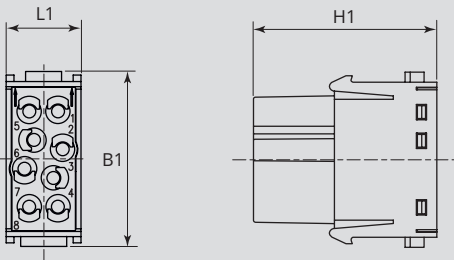
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

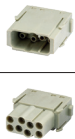
## Pin module



## Socket module



| Item number         | Contact type | L1 [mm] | B1 [mm] | Height [mm] |
|---------------------|--------------|---------|---------|-------------|
| GMRM-400-16-8PEC-01 | Pin          | 14.6    | 34.2    | 34.8        |
| GMRM-400-16-8SEC-01 | Socket       | 14.6    | 34.2    | 35.8        |



## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



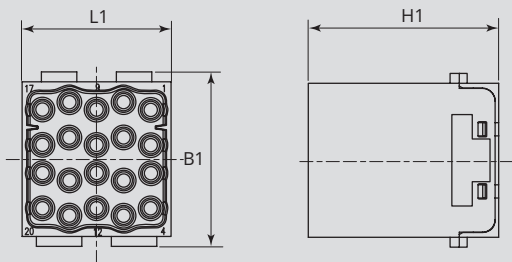
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 2                  |
| Number of contacts                | 20                 |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 16                 |
| Operating voltage [V]             | 500                |
| Test voltage DC [V]               | 6                  |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

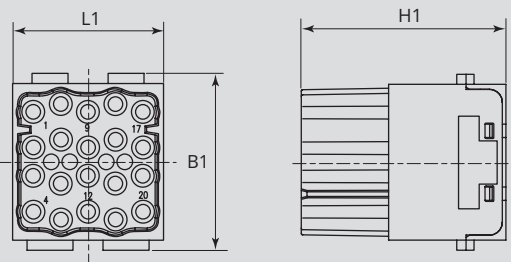
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|----------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-500-16-20PEC-02 | Pin          | 29.2    | 34.2    | 37.5        |  |
| GMRM-500-16-20SEC-02 | Socket       | 29.2    | 34.2    | 39.8        |  |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PEC-0.50AU | Pin contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-PEC-0.75AU | Pin contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-PEC-1.0AU  | Pin contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-PEC-1.5AU  | Pin contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-PEC-2.5AU  | Pin contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-PEC-3.0AU  | Pin contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-PEC-4.0AU  | Pin contact EC series, 16A, 4.0mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SEC-0.50AU | Socket contact EC series, 16A, 0.5mm <sup>2</sup>  |
| GMRC-SEC-0.75AU | Socket contact EC series, 16A, 0.75mm <sup>2</sup> |
| GMRC-SEC-1.0AU  | Socket contact EC series, 16A, 1.0mm <sup>2</sup>  |
| GMRC-SEC-1.5AU  | Socket contact EC series, 16A, 1.5mm <sup>2</sup>  |
| GMRC-SEC-2.5AU  | Socket contact EC series, 16A, 2.5mm <sup>2</sup>  |
| GMRC-SEC-3.0AU  | Socket contact EC series, 16A, 3.0mm <sup>2</sup>  |
| GMRC-SEC-4.0AU  | Socket contact EC series, 16A, 4.0mm <sup>2</sup>  |



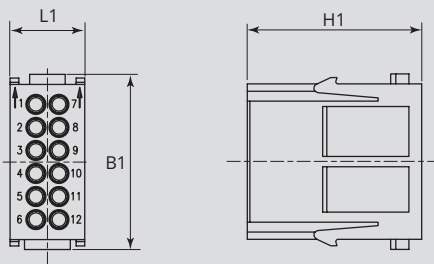
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 12                 |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 10                 |
| Operating voltage [V]             | 250                |
| Test voltage DC [V]               | 4                  |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

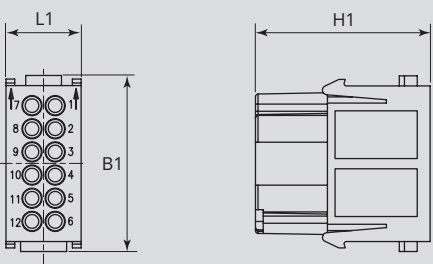
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | Height [mm] |
|----------------------|--------------|---------|---------|-------------|
| GMRM-250-10-12PZC-01 | Pin          | 14.6    | 34.2    | 34          |
| GMRM-250-10-12SZC-01 | Socket       | 14.6    | 34.2    | 34          |



## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PDC-0.25AU | Pin contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-PZC-0.37AU | Pin contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

## Socket contacts



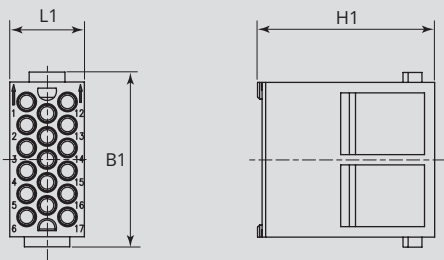
|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SDC-0.25AU | Socket contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-SZC-0.37AU | Socket contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |



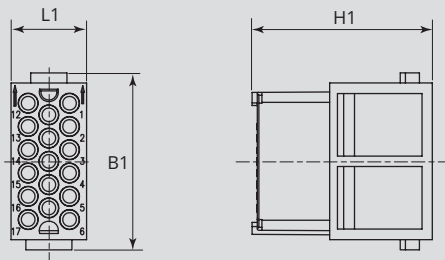
| Technical characteristics         |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 17                 |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 10                 |
| Operating voltage [V]             | 160                |
| Test voltage DC [V]               | 2.5                |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

| Standards                            |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|----------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-160-10-17PZC-01 | Pin          | 14.6    | 34.2    | 34.7        |  |
| GMRM-160-10-17SZC-01 | Socket       | 14.6    | 34.2    | 34.8        |  |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PDC-0.25AU | Pin contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-PZC-0.37AU | Pin contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SDC-0.25AU | Socket contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-SZC-0.37AU | Socket contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |





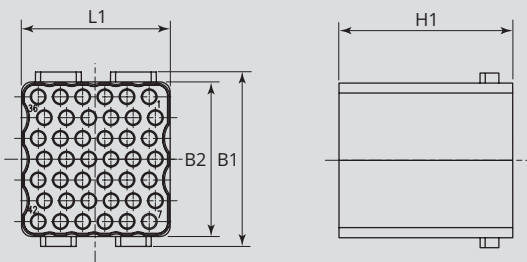
## Technical characteristics

|                                    |                    |
|------------------------------------|--------------------|
| Number of slots                    | 2                  |
| Number of contacts                 | 42                 |
| Material contact insert            | Polycarbonate (PC) |
| Operating temperature insert [°C]  | -40 - +125         |
| Number of mating cycles (min.)     | 500                |
| Rated current [A]                  | 10                 |
| Operating voltage [V]              | 150                |
| Test voltage DC [V]                | 2.5                |
| Insulation resistance ( $\Omega$ ) | $\geq 10^{10}$     |
| Pollution degree                   | 3                  |

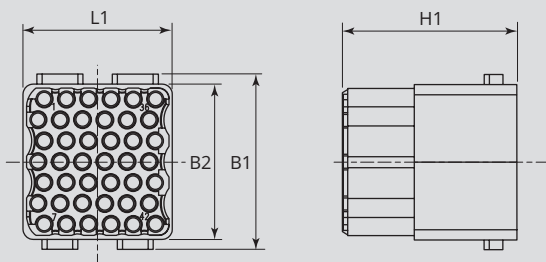
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

## Pin module



## Socket module



| Item number          | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] |                                                                                       |
|----------------------|--------------|---------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-150-10-42PZC-02 | Pin          | 29.4    | 34.2    | 30.3    | 34          |  |
| GMRM-150-10-42SZC-02 | Socket       | 29.4    | 34.2    | 30.3    | 34          |  |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PDC-0.25AU | Pin contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-PZC-0.37AU | Pin contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SDC-0.25AU | Socket contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-SZC-0.37AU | Socket contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |



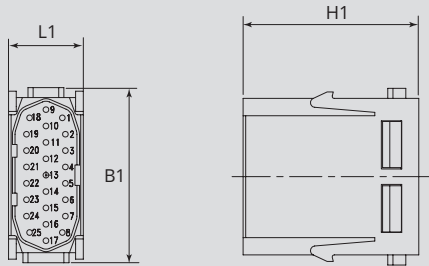
### Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 25                 |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 4                  |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |
| Pollution degree                  | 3                  |

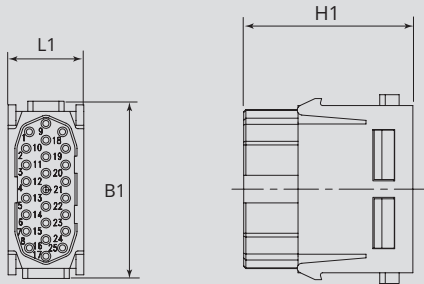
### Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

### Pin module



### Socket module



| Item number        | Contact type | L1 [mm] | B1 [mm] | Height [mm] |
|--------------------|--------------|---------|---------|-------------|
| GMRM-50-4-25PSC-01 | Pin          | 14.6    | 34.0    | 34.2        |
| GMRM-50-4-25SSC-01 | Socket       | 14.6    | 30.7    | 34.2        |



### Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PSC-0.25AU | Pin contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-PSC-0.33AU | Pin contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-PSC-0.52AU | Pin contact SC series, 5A, 0.52mm <sup>2</sup> |

### Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SSC-0.25AU | Socket contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-SSC-0.33AU | Socket contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-SSC-0.52AU | Socket contact SC series, 5A, 0.52mm <sup>2</sup> |



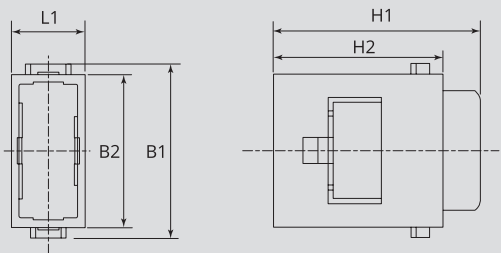
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +85          |
| Insulation resistance (Ω )        | ≥10 <sup>10</sup>  |

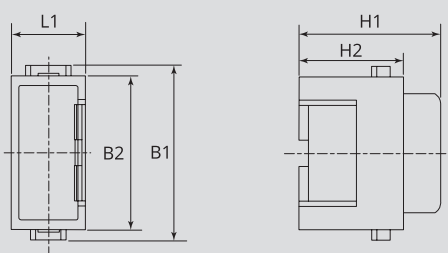
## Standards

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances , non             |

## For modules with pin contacts



## For modules with socket contacts



| Item number    | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] | H2 [mm] |                                                                                       |
|----------------|---------|---------|---------|-------------|---------|---------------------------------------------------------------------------------------|
| GMRM-AMG-8P-01 | 14.6    | 34.4    | 30.3    | 40.9        | 33.5    |  |
| GMRM-AMG-8S-01 | 14.6    | 34.4    | 30.3    | 28.1        | 20.7    |  |

**Technical characteristics**

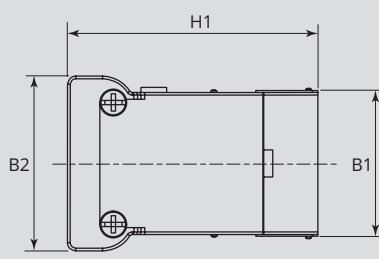
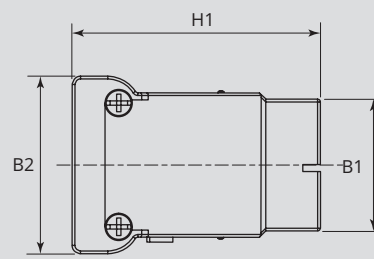
|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 8 (2 x 4)          |
| Material contact insert           | Polycarbonate (PC) |
| Shell material                    | Zinc cast          |
| Surface                           | Passivated         |
| Operating temperature insert [°C] | -40 - +85          |
| Number of mating cycles (min.)    | 500                |
| Clamping range [mm]               | 5 - 12             |
| Rated current [A]                 | 10                 |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |

**Technical characteristics**

|                                    |              |
|------------------------------------|--------------|
| Insulation resistance ( $\Omega$ ) | $\leq 0.004$ |
| Pollution degree                   | 3            |

**Standards**

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664                          |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3                     |
| Flammability rating UL 94            | V0                                                    |
| RoHS-compliant                       | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant                      | SVHC substances, yes - Lead                           |

**Pin module****Socket module**

| Item number      | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] |
|------------------|--------------|---------|---------|---------|-------------|
| GMRM-MB-8PZC-AMG | Pin          | 13.9    | 27.1    | 32.4    | 46.4        |
| GMRM-MB-8SZC-AMG | Socket       | 13.9    | 24.1    | 32.4    | 45.3        |

**Pin contacts**

|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PDC-0.25AU | Pin contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-PZC-0.37AU | Pin contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

**Socket contacts**

|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SDC-0.25AU | Socket contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-SZC-0.37AU | Socket contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |

Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.



## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 8 (2 x 4)          |
| Material contact insert           | Polycarbonate (PC) |
| Shell material                    | Zinc cast          |
| Surface                           | Passivated         |
| Operating temperature insert [°C] | -40 - +85          |
| Number of mating cycles (min.)    | 500                |
| Clamping range [mm]               | 5 - 12             |
| Rated current [A]                 | 10                 |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |

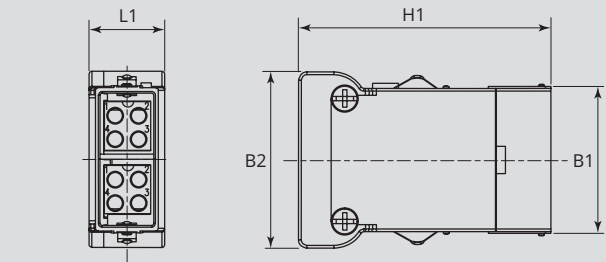
## Technical characteristics

|                                    |              |
|------------------------------------|--------------|
| Insulation resistance ( $\Omega$ ) | $\leq 0.004$ |
| Pollution degree                   | 3            |

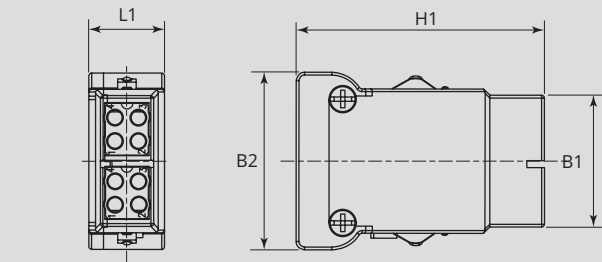
## Standards

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664                          |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3                     |
| Flammability rating UL 94            | V0                                                    |
| RoHS-compliant                       | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant                      | SVHC substances, yes - Lead                           |

## Pin module



## Socket module



| Item number       | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] |
|-------------------|--------------|---------|---------|---------|-------------|
| GMRM-MBE-8PZC-AMG | Pin          | 13.9    | 27.1    | 32.4    | 46.4        |
| GMRM-MBE-8SZC-AMG | Socket       | 13.9    | 24.1    | 32.4    | 45.3        |

## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PDC-0.25AU | Pin contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-PZC-0.37AU | Pin contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SDC-0.25AU | Socket contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-SZC-0.37AU | Socket contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |

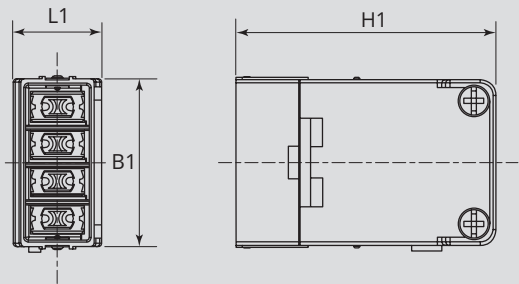
Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.



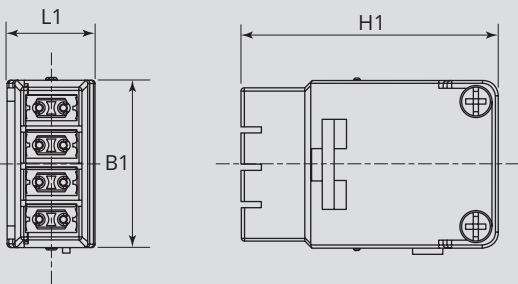
| Technical characteristics         |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 8 (4 x 2)          |
| Material contact insert           | Polycarbonate (PC) |
| Shell material                    | Zinc cast          |
| Surface                           | Passivated         |
| Operating temperature insert [°C] | -40 - +85          |
| Number of mating cycles (min.)    | 500                |
| Clamping range [mm]               | 5 - 12             |
| Rated current [A]                 | 5                  |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |

| Technical characteristics            |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Insulation resistance ( $\Omega$ )   | $\leq 0.004$                                          |
| Pollution degree                     | 3                                                     |
| Standards                            |                                                       |
| Basic standards                      | DIN EN 61984<br>DIN EN 60664                          |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3                     |
| Flammability rating UL 94            | V0                                                    |
| RoHS-compliant                       | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant                      | SVHC substances, yes - Lead                           |

Pin module



Socket module



| Item number      | Contact type | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|------------------|--------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-GB-8PSC-AMG | Pin          | 13.9    | 26.4    | 41.4        |  |
| GMRM-GB-8SSC-AMG | Socket       | 13.9    | 27.6    | 40.3        |  |

Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PSC-0.25AU | Pin contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-PSC-0.33AU | Pin contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-PSC-0.52AU | Pin contact SC series, 5A, 0.52mm <sup>2</sup> |

Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SSC-0.25AU | Socket contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-SSC-0.33AU | Socket contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-SSC-0.52AU | Socket contact SC series, 5A, 0.52mm <sup>2</sup> |



## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 1                  |
| Number of contacts                | 8 (4 x 2)          |
| Material contact insert           | Polycarbonate (PC) |
| Shell material                    | Zinc cast          |
| Surface                           | Passivated         |
| Operating temperature insert [°C] | -40 - +85          |
| Number of mating cycles (min.)    | 500                |
| Clamping range [mm]               | 5 - 12             |
| Rated current [A]                 | 5                  |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |

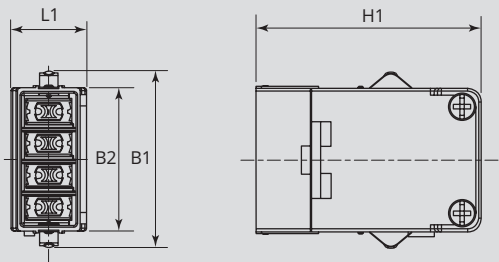
## Technical characteristics

|                                    |              |
|------------------------------------|--------------|
| Insulation resistance ( $\Omega$ ) | $\leq 0.004$ |
| Pollution degree                   | 3            |

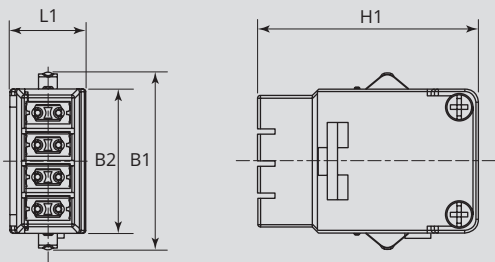
## Standards

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664                          |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3                     |
| Flammability rating UL 94            | V0                                                    |
| RoHS-compliant                       | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant                      | SVHC substances, yes - Lead                           |

## Pin module



## Socket module



| Item number       | Contact type | L1 [mm] | B1 [mm] | B2 [mm] | Height [mm] |                                                                                       |
|-------------------|--------------|---------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-GBE-8PSC-AMG | Pin          | 13.9    | 33.0    | 26.4    | 41.4        |  |
| GMRM-GBE-8SSC-AMG | Socket       | 13.9    | 33.0    | 27.6    | 40.3        |  |

## Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PSC-0.25AU | Pin contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-PSC-0.33AU | Pin contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-PSC-0.52AU | Pin contact SC series, 5A, 0.52mm <sup>2</sup> |

## Socket contacts



|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SSC-0.25AU | Socket contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-SSC-0.33AU | Socket contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-SSC-0.52AU | Socket contact SC series, 5A, 0.52mm <sup>2</sup> |

Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.



#### Technical characteristics

|                            |           |
|----------------------------|-----------|
| Shell material             | Zinc cast |
| Operating temperature [°C] | -40 - +85 |

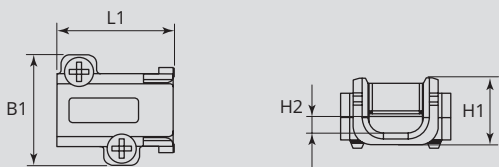
#### Standards

|                |                                                        |
|----------------|--------------------------------------------------------|
| RoHS-compliant | Compliant according to 2015/863/EU (RoHS II), Annex II |
|----------------|--------------------------------------------------------|

#### Standards

|                 |                             |
|-----------------|-----------------------------|
| REACH-compliant | SVHC substances, yes - Lead |
|-----------------|-----------------------------|

#### Clamp



| Item number      | Cable diameter [mm] | L1 [mm] | B1 [mm] | Height [mm] | H2 [mm] |                                                                                       |
|------------------|---------------------|---------|---------|-------------|---------|---------------------------------------------------------------------------------------|
| GMRA-CC-MG-5-7   | 5.0 - 7.0           | 19.2    | 18.1    | 10.9        | 2.6     |  |
| GMRA-CC-MG-7-10  | 7.0 - 10.0          | 19.2    | 18.1    | 10.9        | 5.1     |  |
| GMRA-CC-MG-9-11  | 9.0 - 11.0          | 19.0    | 20.1    | 11          | 7.6     |  |
| GMRA-CC-MG-10-12 | 10.0 - 12.0         | 19.2    | 18.1    | 10.9        | 7.1     |  |

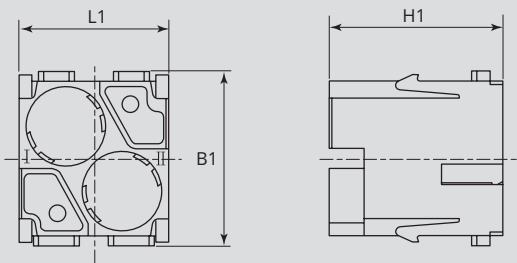




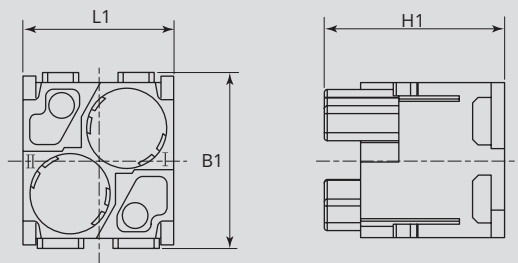
| Technical characteristics         |                    |
|-----------------------------------|--------------------|
| Number of slots                   | 2                  |
| Number of contacts                | 2 Module           |
| Material contact insert           | Polycarbonate (PC) |
| Operating temperature insert [°C] | -40 - +125         |
| Number of mating cycles (min.)    | 500                |
| Insulation resistance (Ω )        | ≥10                |

| Standards                            |                                   |
|--------------------------------------|-----------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664      |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3 |
| Flammability rating UL 94            | V0                                |
| RoHS-compliant                       | Compliant                         |
| REACH-compliant                      | SVHC substances, no               |

Pin module support



Socket module support



| Item number    | Contact type         | L1 [mm] | B1 [mm] | Height [mm] |                                                                                       |
|----------------|----------------------|---------|---------|-------------|---------------------------------------------------------------------------------------|
| GMRM-AQC-2P-02 | Q-CoaX pin module    | 29.3    | 34.2    | 34          |  |
| GMRM-AQC-2S-02 | Q-CoaX socket module | 29.3    | 34.2    | 34          |  |



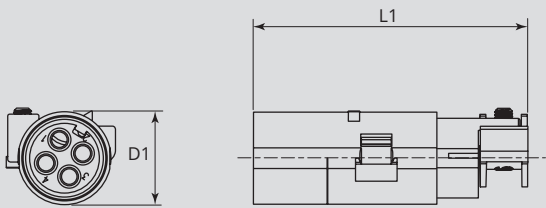
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of contacts                | 4 + SH             |
| Material contact insert           | Polycarbonate (PC) |
| Shell material                    | Zinc cast          |
| Surface                           | Electroless nickel |
| Operating temperature insert [°C] | -40 - +85          |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 10                 |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |
| Pollution degree                  | 3                  |

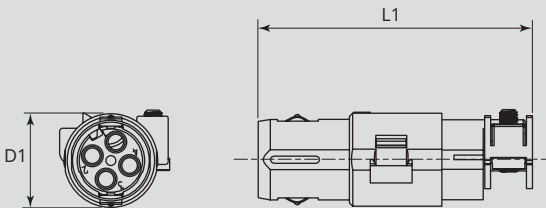
## Standards

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664                          |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3                     |
| RoHS-compliant                       | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant                      | SVHC substances, yes - Lead                           |

## Pin module



## Socket module



| Item number         | Cable diameter [mm] | Contact type | D1 Ø [mm] | L1 [mm] |
|---------------------|---------------------|--------------|-----------|---------|
| GMRM-50-10-4PZC-AQC | 3 - 9.5             | Pin          | 15.5      | 46.2    |
| GMRM-50-10-4SZC-AQC | 3 - 9.5             | Socket       | 15.5      | 45.9    |



## Pin contacts



|                 |                                                 |
|-----------------|-------------------------------------------------|
| GMRC-PDC-0.25AU | Pin contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-PZC-0.37AU | Pin contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-PZC-0.50AU | Pin contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-PZC-0.75AU | Pin contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-PZC-1.0AU  | Pin contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-PZC-1.5AU  | Pin contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-PZC-2.5AU  | Pin contact ZC series, 10A, 2.5mm <sup>2</sup>  |

## Socket contacts



|                 |                                                    |
|-----------------|----------------------------------------------------|
| GMRC-SDC-0.25AU | Socket contact DC series, 10A, 0.25mm <sup>2</sup> |
| GMRC-SZC-0.37AU | Socket contact ZC series, 10A, 0.37mm <sup>2</sup> |
| GMRC-SZC-0.50AU | Socket contact ZC series, 10A, 0.5mm <sup>2</sup>  |
| GMRC-SZC-0.75AU | Socket contact ZC series, 10A, 0.75mm <sup>2</sup> |
| GMRC-SZC-1.0AU  | Socket contact ZC series, 10A, 1.0mm <sup>2</sup>  |
| GMRC-SZC-1.5AU  | Socket contact ZC series, 10A, 1.5mm <sup>2</sup>  |
| GMRC-SZC-2.5AU  | Socket contact ZC series, 10A, 2.5mm <sup>2</sup>  |



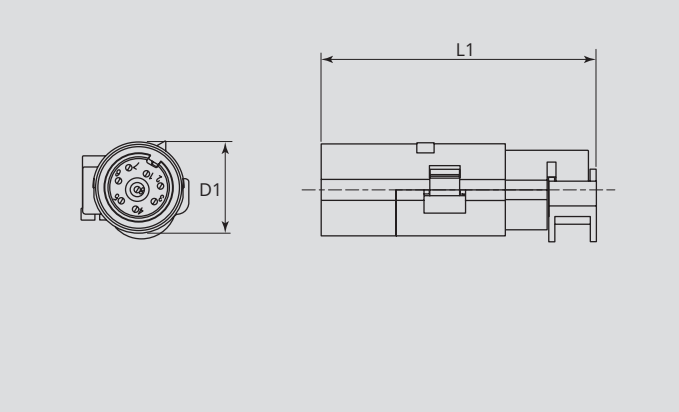
## Technical characteristics

|                                   |                    |
|-----------------------------------|--------------------|
| Number of contacts                | 8 + SH             |
| Material contact insert           | Polycarbonate (PC) |
| Shell material                    | Zinc cast          |
| Surface                           | Electroless nickel |
| Operating temperature insert [°C] | -40 - +85          |
| Number of mating cycles (min.)    | 500                |
| Rated current [A]                 | 5                  |
| Operating voltage [V]             | 50                 |
| Test voltage DC [V]               | 0.8                |
| Pollution degree                  | 3                  |

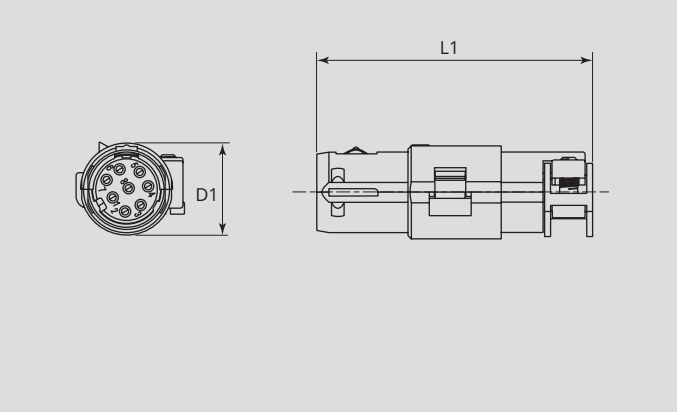
## Standards

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Basic standards                      | DIN EN 61984<br>DIN EN 60664                          |
| Fire protection class DIN EN 45545-2 | R22/HL1,HL2<br>R23,24/HL1,HL2,HL3                     |
| RoHS-compliant                       | Compliant acc. to 2015/863/<br>EU (RoHS II), Annex II |
| REACH-compliant                      | SVHC substances, yes - Lead                           |

## Pin module



## Socket module



| Item number        | Cable diameter [mm] | Contact type | D1 Ø [mm] | L1 [mm] |                                                                                       |
|--------------------|---------------------|--------------|-----------|---------|---------------------------------------------------------------------------------------|
| GMRM-50-5-8PSC-AQC | 3 - 9.5             | Pin          | 15.5      | 46.2    |  |
| GMRM-50-5-8SSC-AQC | 3 - 9.5             | Socket       | 15.5      | 45.9    |  |

## Pin contacts



|                 |                                                |
|-----------------|------------------------------------------------|
| GMRC-PSC-0.25AU | Pin contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-PSC-0.33AU | Pin contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-PSC-0.52AU | Pin contact SC series, 5A, 0.52mm <sup>2</sup> |

## Socket contacts



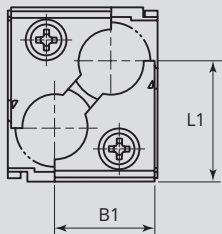
|                 |                                                   |
|-----------------|---------------------------------------------------|
| GMRC-SSC-0.25AU | Socket contact SC series, 5A, 0.25mm <sup>2</sup> |
| GMRC-SSC-0.33AU | Socket contact SC series, 5A, 0.33mm <sup>2</sup> |
| GMRC-SSC-0.52AU | Socket contact SC series, 5A, 0.52mm <sup>2</sup> |



| Technical characteristics  |                                                        |
|----------------------------|--------------------------------------------------------|
| Shell material             | Zinc cast                                              |
| Operating temperature [°C] | -40 - +85                                              |
| Standards                  |                                                        |
| RoHS-compliant             | Compliant according to 2015/863/EU (RoHS II), Annex II |

| Standards       |                             |
|-----------------|-----------------------------|
| REACH-compliant | SVHC substances, yes - Lead |

Clamp



| Item number | L1 [mm] | B1 [mm] | Height [mm] |
|-------------|---------|---------|-------------|
| GMRA-SA-AQC | 23.6    | 19.6    | 4.6         |





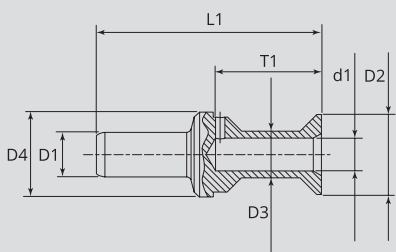
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 200      |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number   | Wire section [mm²] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | D4 Ø [mm] | d1 Ø [mm] |                                                                                       |
|---------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|---------------------------------------------------------------------------------------|
| GMRC-PHC-25AG | 25                 | 22.5                  | 47.7    | 22.5    | 9.5       | 17.0      | 10.0      | 18.0      | 7.0       |  |
| GMRC-PHC-35AG | 35                 | 22.5                  | 47.7    | 22.5    | 9.5       | 17.0      | 12.5      | 18.0      | 8.2       |  |
| GMRC-PHC-50AG | 50                 | 22.5                  | 47.7    | 22.5    | 9.5       | 17.0      | 14.5      | 18.0      | 10.0      |  |
| GMRC-PHC-70AG | 70                 | 22.5                  | 47.7    | 22.5    | 9.5       | 17.0      | 16.5      | 18.0      | 11.5      |  |



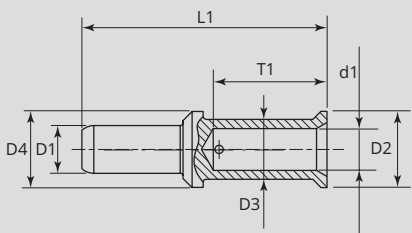
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 100      |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number   | Wire section [mm²] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | D4 Ø [mm] | d1 Ø [mm] |  |
|---------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|--|
| GMRC-PKC-10AG | 10                 | 19                    | 40.5    | 19.0    | 8         | 12.7      | 5.6       | 12.7      | 4.3       |  |
| GMRC-PKC-16AG | 16                 | 19                    | 41.5    | 19.5    | 8         | 12.7      | 8.5       | 12.7      | 5.5       |  |
| GMRC-PKC-25AG | 25                 | 19                    | 41.0    | 19.0    | 8         | 12.7      | 10.0      | 12.7      | 7.0       |  |
| GMRC-PKC-35AG | 35                 | 16                    | 40.5    | 16.0    | 8         | 12.5      | 10        | 12.7      | 8.2       |  |



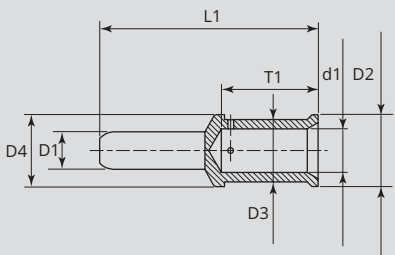
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 70       |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number     | Wire section [mm <sup>2</sup> ] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | D4 Ø [mm] | d1 Ø [mm] |                                                                                       |
|-----------------|---------------------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|---------------------------------------------------------------------------------------|
| GMRC-PK70C-6AG  | 6                               | 15.5                  | 35.0    | 15.5    | 6         | 11.5      | 5.0       | 11.5      | 3.5       |  |
| GMRC-PK70C-10AG | 10                              | 15.5                  | 35.0    | 15.5    | 6         | 11.5      | 5.6       | 11.5      | 4.3       |  |
| GMRC-PK70C-16AG | 16                              | 15.5                  | 35.0    | 15.5    | 6         | 11.5      | 8.5       | 11.5      | 5.5       |  |
| GMRC-PK70C-25AG | 25                              | 15                    | 35.0    | 15.5    | 6         | 11.5      | 10.0      | 11.5      | 7.0       |  |



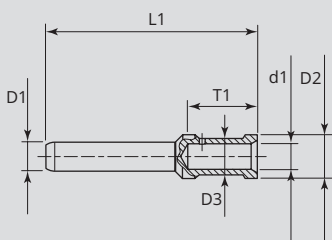
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 40       |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |  |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|--|
| GMRC-PCC-1.5AG  | 1.5                | 16                 | 9                     | 29.1    | 9.6     | 4         | 6.0       | 3.0       | 1.75      |  |
| GMRC-PCC-2.5AG  | 2.5                | 14                 | 9                     | 29.1    | 9.6     | 4         | 6.0       | 3.5       | 2.25      |  |
| GMRC-PCC-4.0AG  | 4                  | 12                 | 9.6                   | 29.1    | 9.6     | 4         | 6.0       | 3.9       | 2.85      |  |
| GMRC-PCC-6.0AG  | 6                  | 10                 | 9.6                   | 29.1    | 9.6     | 4         | 6.0       | 5.0       | 3.5       |  |
| GMRC-PCC-10.0AG | 10                 | 8                  | 15                    | 29.1    | 9.6     | 4         | 6.0       | 5.6       | 4.3       |  |





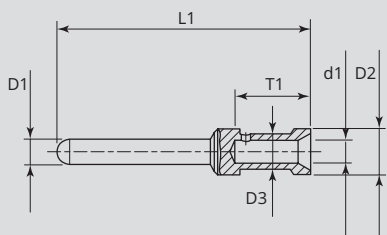
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 16       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |  |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|--|
| GMRC-PEC-0.50AU | 0.5                | 20                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 2.6       | 1.15      |  |
| GMRC-PEC-0.75AU | 0.75               | 18                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 2.6       | 1.3       |  |
| GMRC-PEC-1.0AU  | 1                  | 18                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 2.6       | 1.45      |  |
| GMRC-PEC-1.5AU  | 1.5                | 16                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 3.0       | 1.75      |  |
| GMRC-PEC-2.5AU  | 2.5                | 14                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 3.5       | 2.25      |  |
| GMRC-PEC-3.0AU  | 3                  | 12                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 3.7       | 2.55      |  |
| GMRC-PEC-4.0AU  | 4                  | 12                 | 7.5                   | 25.0    | 7.5     | 2.5       | 4.5       | 3.9       | 2.85      |  |



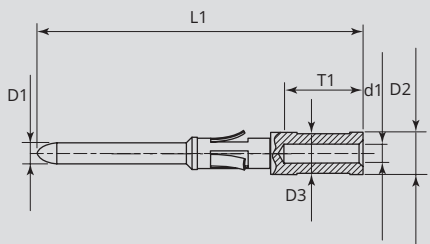
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 10       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |  |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|--|
| GMRC-PZC-0.37AU | 0.14 - 0.37        | 26 - 22            | 6                     | 24.7    | 6.0     | 1.6       | 3.2       | 2.6       | 0.9       |  |
| GMRC-PZC-0.50AU | 0.5                | 20                 | 6                     | 24.7    | 6.0     | 1.6       | 3.2       | 2.6       | 1.1       |  |
| GMRC-PZC-0.75AU | 0.75               | 18                 | 6                     | 24.7    | 6.0     | 1.6       | 3.2       | 2.6       | 1.3       |  |
| GMRC-PZC-1.0AU  | 1                  | 18                 | 6                     | 24.7    | 6.0     | 1.6       | 3.2       | 2.6       | 1.45      |  |
| GMRC-PZC-1.5AU  | 1.5                | 16                 | 6                     | 24.7    | 6.0     | 1.6       | 3.2       | 3.0       | 1.75      |  |
| GMRC-PZC-2.5AU  | 2.5                | 14                 | 6                     | 24.7    | 6.0     | 1.6       | 3.2       | 3.2       | 2.25      |  |



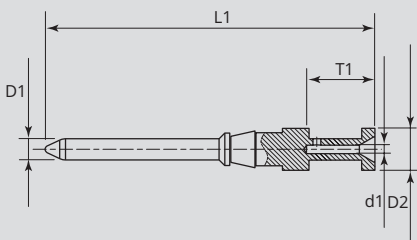
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 10       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | d1 Ø [mm] |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|
| GMRC-PDC-0.25AU | 0.09 - 0.25        | 28 - 24            | 5                     | 25.0    | 5.2     | 1.58      | 3.2       | 0.65      |





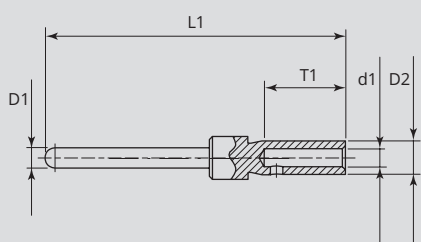
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Pin      |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 5        |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Pin contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | d1 Ø [mm] |  |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|--|
| GMRC-PSC-0.25AU | 0.09 - 0.25        | 28 - 24            | 5                     | 14.8    | 4.0     | 1         | 1.66      | 0.64      |  |
| GMRC-PSC-0.33AU | 0.25 - 0.33        | 26 - 22            | 5                     | 14.8    | 4.0     | 1         | 1.66      | 0.9       |  |
| GMRC-PSC-0.52AU | 0.33 - 0.52        | 22 - 20            | 5                     | 14.8    | 4.0     | 1         | 1.66      | 1.12      |  |



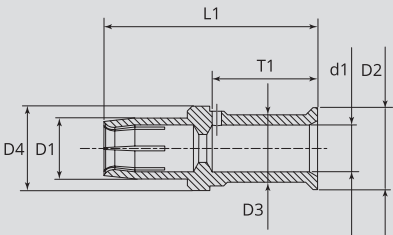
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 200      |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Socket contact



| Item number   | Wire section [mm²] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | D4 Ø [mm] | d1 Ø [mm] |                                                                                       |
|---------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|---------------------------------------------------------------------------------------|
| GMRC-SHC-25AG | 25                 | 22.5                  | 45.6    | 22.5    | 13        | 17.5      | 10.0      | 18.0      | 7.0       |  |
| GMRC-SHC-35AG | 35                 | 22.5                  | 45.6    | 22.5    | 13        | 17.5      | 12.5      | 18.0      | 8.2       |  |
| GMRC-SHC-50AG | 50                 | 22.5                  | 45.6    | 22.5    | 13        | 17.5      | 14.5      | 18.0      | 10        |  |
| GMRC-SHC-70AG | 70                 | 22.5                  | 45.6    | 22.5    | 13        | 17.5      | 16.5      | 18.0      | 11.5      |  |



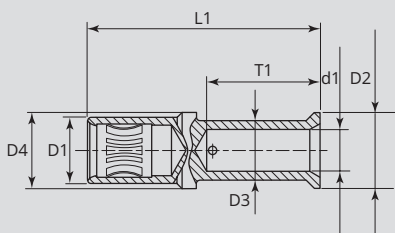
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 100      |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Socket contact



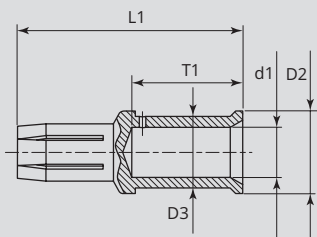
| Item number   | Wire section [mm²] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | D4 Ø [mm] | d1 Ø [mm] |                                                                                       |
|---------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|---------------------------------------------------------------------------------------|
| GMRC-SKC-10AG | 10                 | 19                    | 38.5    | 19.0    | 11        | 12.7      | 5.6       | 12.7      | 4.3       |  |
| GMRC-SKC-16AG | 16                 | 19                    | 39.5    | 19.5    | 11        | 12.7      | 8.5       | 12.7      | 5.5       |  |
| GMRC-SKC-25AG | 25                 | 19                    | 39.0    | 19.0    | 11        | 12.7      | 10.0      | 12.7      | 7.0       |  |
| GMRC-SKC-35AG | 35                 | 16                    | 38.5    | 16.0    | 11        | 12.5      | 10.2      | 12.7      | 8.2       |  |



| Technical characteristics      |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 70       |
| Contact Material               | CU alloy |
| Coating                        | Silver   |

| Standards       |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

Socket contact



| Item number     | Wire section [mm²] | Stripping length [mm] | L1 [mm] | T1 [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |                                                                                       |
|-----------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|---------------------------------------------------------------------------------------|
| GMRC-SK70C-6AG  | 6                  | 15.5                  | 31.5    | 15.5    | 11.5      | 5.0       | 3.5       |  |
| GMRC-SK70C-10AG | 10                 | 15.5                  | 31.5    | 15.5    | 11.5      | 5.6       | 4.3       |  |
| GMRC-SK70C-16AG | 16                 | 15.5                  | 31.5    | 15.5    | 11.5      | 8.5       | 5.5       |  |
| GMRC-SK70C-25AG | 25                 | 15                    | 31.5    | 15.5    | 11.5      | 10.0      | 7.0       |  |



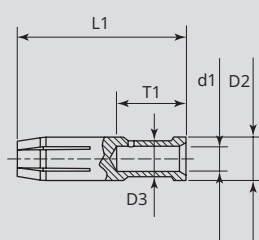
#### Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 40       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

#### Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

#### Socket contact



| Item number     | Wire section [mm <sup>2</sup> ] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |  |
|-----------------|---------------------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|--|
| GMRC-SCC-1.5AG  | 1.5                             | 16                 | 9                     | 23.4    | 9.6     | 6.0       | 3.0       | 1.75      |  |
| GMRC-SCC-2.5AG  | 2.5                             | 14                 | 9                     | 23.4    | 9.6     | 6.0       | 3.5       | 2.25      |  |
| GMRC-SCC-4.0AG  | 4                               | 12                 | 9.6                   | 23.4    | 9.6     | 6.0       | 3.9       | 2.85      |  |
| GMRC-SCC-6.0AG  | 6                               | 10                 | 9.6                   | 23.4    | 9.6     | 6.0       | 5.0       | 3.5       |  |
| GMRC-SCC-10.0AG | 10                              | 8                  | 15                    | 23.4    | 9.6     | 6.0       | 5.6       | 4.3       |  |





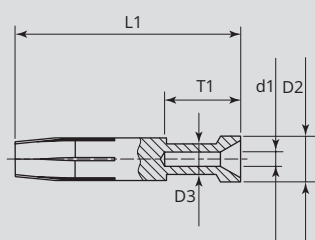
#### Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 16       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

#### Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

#### Socket contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |  |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|--|
| GMRC-SEC-0.50AU | 0.5                | 20                 | 7.5                   | 22.2    | 7.5     | 4.5       | 2.6       | 1.15      |  |
| GMRC-SEC-0.75AU | 0.75               | 18                 | 7.5                   | 22.2    | 7.5     | 4.5       | 2.6       | 1.3       |  |
| GMRC-SEC-1.0AU  | 1                  | 18                 | 7.5                   | 22.2    | 7.5     | 4.5       | 2.6       | 1.45      |  |
| GMRC-SEC-1.5AU  | 1.5                | 16                 | 7.5                   | 22.2    | 7.5     | 4.5       | 3.0       | 1.75      |  |
| GMRC-SEC-2.5AU  | 2.5                | 14                 | 7.5                   | 22.2    | 7.5     | 4.5       | 3.5       | 2.25      |  |
| GMRC-SEC-3.0AU  | 3                  | 12                 | 7.5                   | 22.2    | 7.5     | 4.5       | 3.7       | 2.55      |  |
| GMRC-SEC-4.0AU  | 4                  | 12                 | 7.5                   | 22.2    | 7.5     | 4.5       | 3.9       | 2.85      |  |



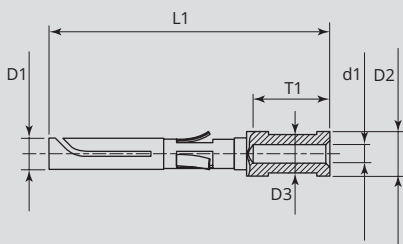
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 10       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Socket contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D1 Ø [mm] | D2 Ø [mm] | D3 Ø [mm] | d1 Ø [mm] |  |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|-----------|-----------|--|
| GMRC-SZC-0.37AU | 0.14 - 0.37        | 26 - 22            | 6                     | 22.0    | 6.0     | 2.5       | 3.5       | 2.6       | 0.9       |  |
| GMRC-SZC-0.50AU | 0.5                | 20                 | 6                     | 22.0    | 6.0     | 2.5       | 3.5       | 2.6       | 1.1       |  |
| GMRC-SZC-0.75AU | 0.75               |                    | 6                     | 22.0    | 6.0     | 2.5       | 3.5       | 2.6       | 1.3       |  |
| GMRC-SZC-1.0AU  | 1                  | 18                 | 6                     | 22.0    | 6.0     | 2.5       | 3.5       | 2.6       | 1.45      |  |
| GMRC-SZC-1.5AU  | 1.5                | 16                 | 6                     | 22.0    | 6.0     | 2.5       | 3.5       | 3.0       | 1.75      |  |
| GMRC-SZC-2.5AU  | 2.5                | 14                 | 6                     | 22.0    | 6.0     | 2.5       | 3.5       | 3.2       | 2.25      |  |



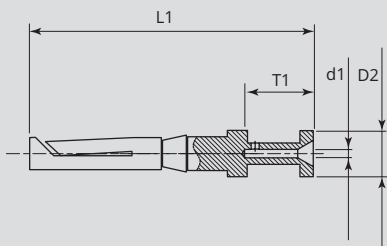
Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 10       |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

Standards

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c<br>(copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                             |

Socket contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D2 Ø [mm] | d1 Ø [mm] |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|
| GMRC-SDC-0.25AU | 0.09 - 0.25        | 28 - 24            | 5                     | 21.5    | 5.2     | 3.5       | 0.65      |





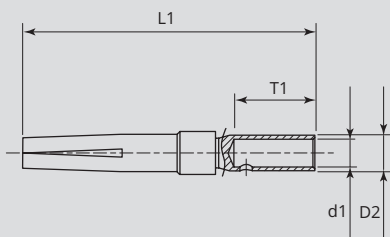
## Technical characteristics

|                                |          |
|--------------------------------|----------|
| Contact type                   | Socket   |
| Connection type                | Crimp    |
| Rated current (continuous) [A] | 5        |
| Contact Material               | CU alloy |
| Coating                        | Gold     |

## Standards

|                 |                                                      |
|-----------------|------------------------------------------------------|
| RoHS-compliant  | Compliant with exception 6c (copper alloy ≤ 4% lead) |
| REACH-compliant | SVHC substances, yes - Lead                          |

## Socket contact



| Item number     | Wire section [mm²] | Wire section [AWG] | Stripping length [mm] | L1 [mm] | T1 [mm] | D2 Ø [mm] | d1 Ø [mm] |
|-----------------|--------------------|--------------------|-----------------------|---------|---------|-----------|-----------|
| GMRC-SSC-0.25AU | 0.09 - 0.25        | 28 - 24            | 5                     | 14.4    | 4.0     | 1.66      | 0.64      |
| GMRC-SSC-0.33AU | 0.25 - 0.33        | 26 - 22            | 5                     | 14.4    | 4.0     | 1.66      | 0.9       |
| GMRC-SSC-0.52AU | 0.33 - 0.52        | 22 - 20            | 5                     | 14.4    | 4.0     | 1.66      | 1.12      |



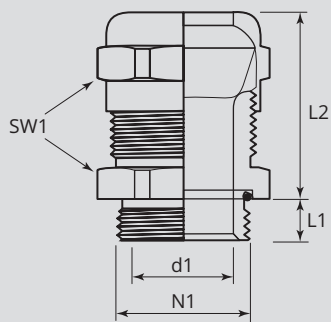
#### Technical characteristics

|                            |                    |
|----------------------------|--------------------|
| Shell material             | Brass              |
| Surface                    | Electroless nickel |
| Material cable grip        | T80 / TPE          |
| O-ring material            | HNBR               |
| Operating temperature [°C] | -55 - +200         |

#### Standards

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Basic standards                      | EN 62444                            |
| Fire protection class DIN EN 45545-2 | R22:HL1/HL2/HL3<br>R23: HL1/HL2/HL3 |
| Flammability rating UL 94            | V0                                  |
| Protection class EN 60529            | IP69                                |

#### Cable gland



| Item number | N1      | d1 Ø [mm] | L1 [mm] | L2 [mm] | Clamping range [mm] | WS1       |  |
|-------------|---------|-----------|---------|---------|---------------------|-----------|--|
| 101.352.200 | M20x1.5 | 14.2      | 6.50    | 29.50   | 14.0 - 5.0          | 24 x 26.5 |  |
| 101.352.250 | M25x1.5 | 20.2      | 7.50    | 30.00   | 20.0 - 11.0         | 30 x 33   |  |
| 101.352.320 | M32x1.5 | 25.2      | 8.00    | 32.00   | 8.0 - 2.0           | 36 x 39.5 |  |
| 101.352.400 | M40x1.5 | 32.3      | 8.00    | 35.00   | 8.0 - 2.0           | 45 x 48   |  |
| 101.352.500 | M50x1.5 | 42.3      | 10.00   | 39.00   | 42.0 - 31.0         | 18.9 x 17 |  |



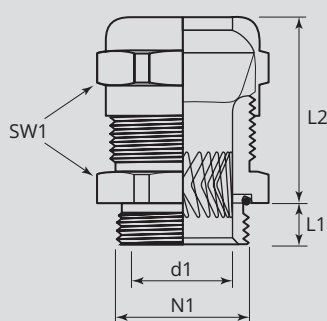
#### Technical characteristics

|                            |            |
|----------------------------|------------|
| Shell material             | Brass      |
| Material cable grip        | T80 / TPE  |
| O-ring material            | HNBR       |
| Operating temperature [°C] | -55 - +200 |
| EMI                        | Yes        |

#### Standards

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Basic standards                      | EN 62444                            |
|                                      | VDA 233-102                         |
|                                      | IEC 61156-9                         |
| Fire protection class DIN EN 45545-2 | R22:HL1/HL2/HL3<br>R23: HL1/HL2/HL3 |
| Flammability rating UL 94            | V0                                  |
| Protection class EN 60529            | IP69                                |

#### Cable gland



| Item number | N1      | d1 Ø [mm] | L1 [mm] | L2 [mm] | Clamping range [mm] | Screening range Ø [mm] | WS1       |
|-------------|---------|-----------|---------|---------|---------------------|------------------------|-----------|
| 104.340.211 | M20x1.5 | 14.2      | 6.50    | 29.50   | 14.0 - 9.0          | 12.0 - 7.0             | 24 x 26.5 |
| 104.340.260 | M25x1.5 | 20.2      | 7.50    | 30.00   | 20.0 - 11.0         | 16.0 - 10.0            | 30 x 33   |
| 104.340.330 | M32x1.5 | 25.2      | 8.00    | 32.00   | 8.0 - 2.0           | 20.0 - 13.0            | 36 x 39.5 |
| 104.340.410 | M40x1.5 | 32.3      | 8.00    | 35.00   | 8.0 - 2.0           | 28.0 - 20.0            | 45 x 48   |
| 104.340.510 | M50x1.5 | 42.3      | 10.00   | 39.00   | 42.0 - 31.0         | 37.0 - 28.0            | 18.9 x 17 |

# GMR - Rectangular connectors    UNI corrugated pipe feed-through Fire safety



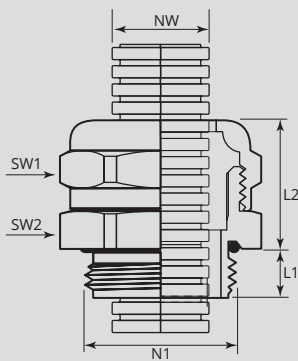
## Technical characteristics

|                            |                    |
|----------------------------|--------------------|
| Shell material             | Brass              |
| Surface                    | Electroless nickel |
| Material cable grip        | Silicone HT        |
| O-ring material            | HNBR               |
| Operating temperature [°C] | -55 - +200         |

## Standards

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Basic standards                      | EN 62444                            |
| Fire protection class DIN EN 45545-2 | R22:HL1/HL2/HL3<br>R23: HL1/HL2/HL3 |
| Flammability rating UL 94            | V0                                  |
| Protection class EN 60529            | IP69                                |

## Cable gland



| Item number | N1      | L1 [mm] | L2 [mm] | Corrugated tube [DN] | Profile corrugated conduit | WS1       | WS2       |                                                                                       |
|-------------|---------|---------|---------|----------------------|----------------------------|-----------|-----------|---------------------------------------------------------------------------------------|
| 120.400.200 | M20x1.5 | 6.50    | 17.00   | 10                   | Fine                       | 24 x 26.7 | 24 x 26.7 |  |
| 120.400.250 | M25x1.5 | 7.50    | 17.00   | 10                   | Fine                       | 28 x 31.2 | 24 x 26.7 |  |
| 120.400.251 | M25x1.5 | 7.50    | 21.00   | 12                   | Fine                       | 30 x 33.5 | 30 x 33.5 |  |
| 120.400.320 | M32x1.5 | 8.00    | 21.00   | 12                   | Fine                       | 35 x 38.5 | 30 x 33.5 |  |
| 120.400.400 | M40x1.5 | 8.00    | 22.50   | 23                   | Coarse                     | 50 x 54   | 50 x 54   |  |
| 120.400.500 | M50x1.5 | 10.00   | 22.50   | 17                   | Coarse                     | 54 x 58   | 40 x 43.5 |  |
| 120.400.501 | M50x1.5 | 10.00   | 22.50   | 23                   | Coarse                     | 54 x 58   | 50 x 54   |  |
| 120.400.502 | M50x1.5 | 10.00   | 22.50   | 29                   | Coarse                     | 54 x 58   | 50 x 54   |  |
| 120.400.503 | M50x1.5 | 10.00   | 27.00   | 36                   | Coarse                     | 57 x 61   | 57 x 61   |  |

| Item number    | Product description                                                                            |                                                                                       |
|----------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| GIW-GMR-C1016A | Crimping tool for GMR 10A & 16A contacts: DC / ZC / EC Series                                  |    |
| GIW-GMR-C40A06 | Crimping tool for GMR 40A contacts: CC Series, up to 6mm <sup>2</sup>                          |    |
| GIW-GMR-C40A10 | Crimping tool for GMR 40A contacts: CC Series, 4 - 10mm <sup>2</sup>                           |    |
| GIW-AFM8       | Universal DMC hand press tool, short version.                                                  |    |
| GIW-AFM8-SK2-2 | Universal positioning adaptor for mechanical hand press tool GIW-AFM8                          |   |
| HT51           | Hydraulic hand press for crimping GMR 70A - 200A contacts: Series K70C / KC / HC               |  |
| B500ND         | Portable hydraulic battery crimper for crimping GMR 70A - 200A contacts: Series K70C / KC / HC |  |
| MK-6-50        | Type MK, 1 pair, 10mm <sup>2</sup>                                                             |  |
| MK-8-50        | Type MK, 1 pair, 16mm <sup>2</sup>                                                             |  |
| MK-10-50       | Type MK, 1 pair, 25mm <sup>2</sup>                                                             |  |
| MK-12-50       | Type MK, 1 pair, 35mm <sup>2</sup>                                                             |  |



| Item number | Product description    |                                                                                     |
|-------------|------------------------|-------------------------------------------------------------------------------------|
| MK-14-50    | Type MK, 1 pair, 50mm2 |  |
| MK-16-50    | Type MK, 1 pair, 70mm2 |  |

| Item number  | Product description                                                           |                                                                                       |
|--------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| WMLE-GMR-CC  | Contact removal tool for GMRC-PCC & GMRC-SCC contacts                         |    |
| WMLE-GMR-EC  | Contact removal tool for GMRC-PEC & GMRC-SEC contacts                         |    |
| WMLE-GMR-KC1 | Contact removal tool for GMRC-PKC & GMRC-SKC contacts                         |    |
| WMLE-GMR-KC2 | Contact removal tool for GMRC-PKC & GMRC-SKC contacts                         |    |
| WMLE-GMR-SC  | Contact removal tool for GMRC-PSC & GMRC-SSC contacts                         |   |
| WMLE-GMR-ZC  | Contact removal tool for GMRC-PZC & GMRC-SZC and GMRC-PDC & GMRC-SDC contacts |  |

| Item number | Product description                                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| SC5X        | Professional scissors SC5X, ergonomic handle, micro-toothed blades and 58 HRC degree of hardness, cable Ø up to 50mm², incl. protective sleeve |



# General terms and conditions

## General terms & conditions of sale

Deliveries, services and quotations provided by GIMOTA AG are made exclusively on the basis of these terms & conditions, even if they are not again explicitly agreed. These terms & conditions will be deemed to have been accepted when goods or services are ordered. We herewith reject any terms and conditions of purchase of the customer. Any deviations from these terms & conditions will not be valid unless confirmed by us in writing.

We reserve the right to supply up to 10% more or less of an order when products are made to the customer's specifications.

### General

The information in our sales material (drawings, diagrams, dimensions, weights and other features) are intended as approximate values and do not constitute any assurance of properties unless they are explicitly designated as binding in writing.

### Offer and conclusion of contract

Unless agreed otherwise, our offers are binding for 1 month. We reserve the right to change prices in exceptional circumstances (raw materials). Orders will only be binding on GIMOTA AG after written confirmation is issued.

### Prices / packaging / terms of payment / supplements

The prices listed in our order confirmation are definitive. Unless otherwise agreed, prices are quoted in Swiss francs (CHF) and are subject to transport and packing costs in accordance, with INCOTERMS 2020, FCA Geroldswil, and do not include statutory VAT.

As a general principle, we deliver in standard packaging units and we reserve the right to adjust the quantity in the event of a deviation. We charge a supplement of CHF 10.00 per line item for part packaging units.

We will charge a lump sum of CHF 20.00 on orders with a value below CHF 100.00 to cover general costs of the order.

Invoices are payable net within 30 days of the date of invoice unless otherwise agreed. As a general principle, delivery is effected at the customer's expense by parcel post, shipping company or our vehicle unless explicitly agreed otherwise. Payment is only deemed to have been made when we have the due invoice amount at our disposal.

If the customer is in default, we will be entitled to charge interest of 5 % from the date in question. In addition, during the period of default GIMOTA AG will be entitled to terminate the contract at any time, to demand the return of the goods supplied and to claim damages for the void contract. All outstanding claims will become due immediately if the customer is in default of payment, culpably fails to meet essential obligations arising from the contract or circumstances become known to us that are likely to diminish the customer's credit standing, in particular suspension of payment, or if insolvency or bankruptcy proceedings are instituted. In such cases, we will be entitled to withhold outstanding deliveries or to execute them only against prepayment or other security.

### Transfer of benefit and risk, shipment and insurance

In accordance with Incoterms 2020, FCA Geroldswil, unless agreed otherwise.

### Delivery periods / delivery date

The delivery periods quoted in our offers apply from receipt of the order. The delivery period will be deemed to have been met if the shipment has been made available for dispatch in our factory when the period expires.

Any possible overrun of the delivery deadlines indicated does not justify claims for damages or a cancellation of the order in question. Shortages of raw materials, damage to tools, transport difficulties and similar causes of disruption that make delivery impossible, or make it disproportionately more difficult or more expensive, release us from our delivery obligations without compensation. Notification of identifiable delays will, wherever possible, be given immediately.

Framework agreements will only be accepted with call-off periods. If the call-off period is not precisely defined, it will end 12 months after conclusion of the agreement. In this case, the call-off quantity specified in the agreement must be accepted. If acceptance does not take place within the agreed period, GIMOTA AG will be entitled to deliver finished shipments without any further notification.

### Documents / samples

Our catalogues, drawings, sketches etc. are our intellectual property and may not be modified or used for other purposes without our written consent. Samples are only provided against payment.

### Inspection and acceptance of delivery

Any apparent defects detected must be reported to GIMOTA AG within 10 days. If the customer fails to do so, the delivery will be deemed to have been accepted.

# General terms and conditions

Any further inspections of the goods prior to shipment and/or certificates (e.g. acceptance inspections, factory test certificates etc.) must be agreed beforehand in writing and specified on the order. Any costs incurred will be invoiced. Any return of goods by the customer requires the prior consent of GIMOTA AG and must be effected in accordance with the guidelines for the return of articles.

## **Retention of title**

Goods supplied will remain our property until complete payment has been effected. The customer assures that it will cooperate in any measures required to protect our property.

## **Cancellation / returns in accordance with the guidelines for the return of goods**

Any return of goods by the customer requires the prior consent of GIMOTA AG and must be effected in accordance with the guidelines for the return of articles.

The cancellation of orders requires our prior written consent. Any parts that have already been produced will be invoiced. If customer-specific raw materials were purchased, they will also be invoiced. GIMOTA AG is entitled to withdraw from delivery obligations if the customer's financial situation deteriorates substantially or turns out to be different to what was presented to us.

## **Guarantee / warranty**

GIMOTA AG undertakes, on receipt of written notification from the customer within the warranty period and at its discretion, to replace or repair all parts that are defective or unusable as a result of design, material or production faults as rapidly as possible. The warranty period is 12 months from receipt of delivery unless other legal provisions apply.

The warranty does not cover damage resulting from improper storage, normal wear and tear, faulty processing and failure to comply with regulations.

Any modifications or repairs performed without our written consent and failure to comply with our operating instructions will release us from the guarantee obligation. Our liability is limited to the replacement of the faulty objects or the reimbursement of the value of the invoice.

No new warranty periods apply as a result of the replacement of parts, assemblies or entire devices. Warranty is limited exclusively to the repair or exchange of the damaged objects that were delivered.

## **Exclusion of further liability**

These "General terms & conditions of sale" govern the customer's rights to assert a claim in their entirety. All claims for compensation, reduction, rescission of or withdrawal from the contract are excluded.

## **Data privacy**

Your acceptance of these terms & conditions also constitutes your acceptance of the data privacy policy of GIMOTA AG.

## **Jurisdiction**

Zurich is the sole place of jurisdiction for all disputes arising directly or indirectly in connection with this contractual relationship. The contractual relationship is subject to Swiss law. The general terms & conditions valid at the time of the conclusion of the contract will apply. You can view these on the Internet at [www.gimota.com](http://www.gimota.com).

## **Final provisions**

The general terms & conditions of sale were modified with effect from October 1st 2025 and replace all previous versions. They are an integral part of all offers and/or order confirmation documents. This version replaces all previous terms & conditions. If there are any difference between a foreign-language version and the German text, the German text will be definitive.

## General Product Safety Instructions and Liability Notice

These instructions apply to all products of GIMOTA AG.

All information provided in data sheets, catalogues, and technical documentation must be strictly observed. Failure to comply may result in hazards to persons, property, or the environment.

### 1. Intended Use

Products may only be used for their intended purpose and within the specified technical limits.

This includes, in particular:

- electrical ratings (e.g. voltage, current),
- mechanical loads,
- environmental conditions.

Products may only be used with suitable and approved components. Modifications, alterations, or improper use are not permitted.

The responsibility for verifying suitability for a specific application lies with the user or system integrator.

### 2. General Safety Principles

Installation and operation must only be carried out by qualified personnel.

All applicable national and international standards and safety regulations must be observed.

Before installation, it must be ensured that:

- the selected product is suitable,
- all components are undamaged and functional,
- technical specifications are met.

### 3. Potential Hazards

Improper use may result in:

- electric shock,
- burns,
- fire,
- mechanical injury,
- system malfunction.

Hazards may arise from:

- incorrect assembly or wiring,
- exceeding specified limits,
- use of damaged or contaminated components,
- unsuitable environmental conditions,
- insufficient sealing or improper installation.

Connectors must not be connected or disconnected under load unless explicitly designed for such operation.

### 4. Handling, Transport, and Storage

Products must be handled with care and protected against mechanical damage, moisture, contamination, and adverse environmental conditions.

All components must be visually inspected before use. Damaged products must not be used.

Mechanical stress, especially tensile load on cables, must be avoided.

### 5. Assembly and Installation

Assembly and installation must be carried out in accordance with technical documentation and recognized engineering practices.

Only suitable and approved tools may be used.

Before energizing, it must be ensured that:

- all connections are correctly established and secured,
- no loose conductors or foreign conductive materials are present,
- no unintended electrical connections exist.

## 6. Operation and Electrical Safety

Specified voltage and current ratings must not be exceeded.

For high-voltage applications, appropriate protection against direct and indirect contact must be ensured.

Connectors with accessible contacts may only be used where adequate protective measures are in place.

It must be ensured that no hazardous voltages can occur on accessible conductive parts.

## 7. Environmental Conditions and Protection

Specified protection ratings (e.g. IP ratings) are only valid when products are fully assembled and properly installed.

Environmental influences such as moisture, dust, chemicals, vibration, or mechanical stress may affect performance and safety and must be considered.

Cable entry systems must be properly selected and installed to ensure sealing performance.

## 8. Maintenance and Inspection

Products must be inspected regularly to ensure proper condition.

In particular, check for:

- mechanical integrity,
- secure connections and locking,
- condition of contacts and sealing elements,
- signs of overheating or corrosion.

Damaged products must be replaced.

## 9. Disposal

Products must be disposed of in accordance with applicable regulations.

## 10. Disclaimer of Liability

GIMOTA AG shall not be liable for damages resulting from:

- improper or unintended use,
- failure to comply with these instructions or technical documentation,
- improper installation,
- use of unsuitable or non-approved components,
- unauthorised modifications or repairs.

The user is responsible for compliance with all applicable regulations and for ensuring safe integration of the products.

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This catalogue replaces all previous ones. Product details are given without guarantee, errors and technical changes excepted.  
Valid from 06.2026

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