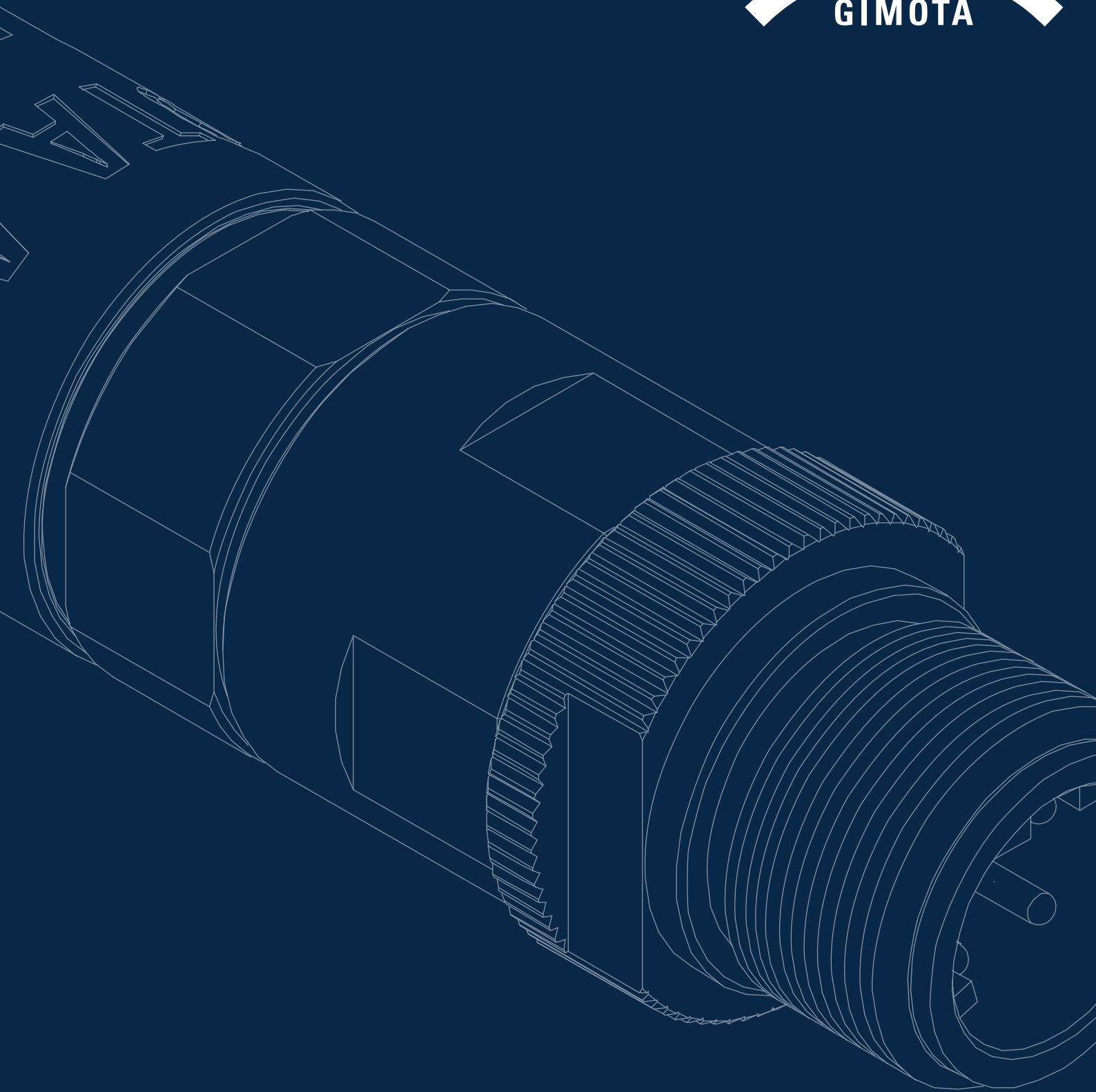




M12

M12 connectors

Modern network connectors for trams, buses and trains

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.



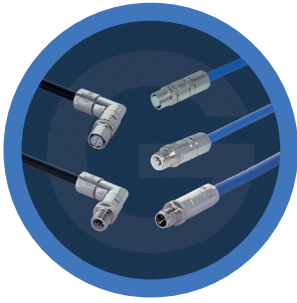
Customer focus

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.

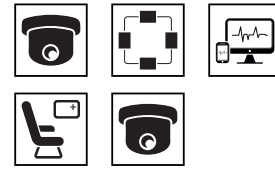


Introduction



Passenger information, entertainment system, cameras, network

360° shield connection, crimp contacts, protection class IP67, design $\varnothing \leq 16$ mm, field-assembly



Information technology is developing at high-speed and with it the demands of travellers. High-performance internet access up to the gigabit range, real-time travel information, or entertainment systems, to name just a few applications. In order to meet this requirement, modern means of transport need a corresponding network infrastructure. In general, it can be said that the technology in rail vehicles is becoming more and more extensive and complex. The industrially proven M12 connectors have long been established in railway and bus operations for stable networks and their applications.

But the industrial M12 connectors do not meet all the requirements of the railway. The contact connection is susceptible to vibrations. Experience shows that crimped contact connections offer the best results in terms of fatigue strength and vibration. Weight and compactness of the components also play an important role in the application decision. Furthermore, tightness is a key issue, as moisture and condensation cannot be ruled out even indoors.

This is exactly where Gimota's GTM12 and GTB12 connectors come in; based on the industrially proven M12 connector technology and the standards DIN EN 61076-2-101, DIN EN 61076-2-109 and DIN EN 61076-2-011, they are the consistent adaptation to the needs of the railway. Tested according to EN50155, they can be field-assembled, have turned crimp contacts and a reliable shield connection with shield springs. The design is extremely slim ($\varnothing \leq 16$ mm) and has a low weight. With IP 67 according to DIN EN 60529 and according to DIN EN 45545-2 R22,R23 / HL1,HL2,HL3, the products offer the required IP and fire protection classes to meet the influences expected in railway technology.



ADVANTAGES

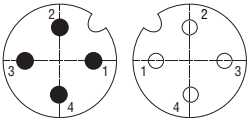
- Suitable for railway applications
- Resistant housing (metal)
- Small form factor (slim design)
- EN45545-2 R22,R23,R24 / HL1,HL2,HL3
- Field-attachable, for on-site assembly
- Turned crimp contacts
- Contacts are supplied with the product
- Gold-plated crimp contacts



PROPERTIES

- Screw or bayonet lock
- Transmission characteristics up to 10 Gbits/s CAT 6_A
- Operating temperature -55°C to +85°C
- EMC shielding
- Cable range from 5.0 - 8.5 mm
- IP67 according to DIN EN 60529
- Complies EN 61076-2-101 / EN 61076-2-109
- Complies with EN 61076-2-011
- Complies with EN 61076-2-111





Number of contacts	4
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	250
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	1.4
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.34 - 0.75
Wire section [AWG]	22 - 18
Cable diameter [mm]	5.0 - 8.5
Shell material	Brass

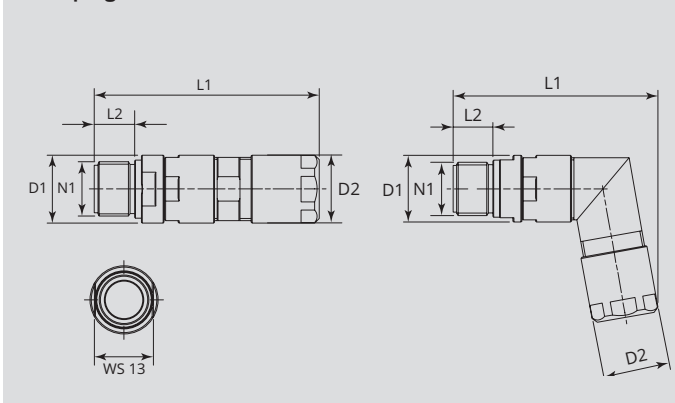
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

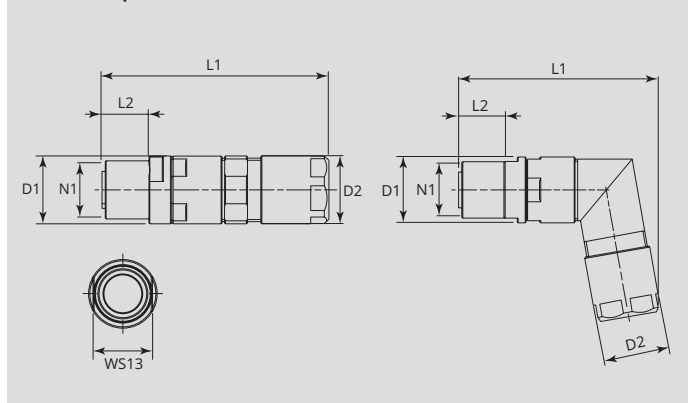
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

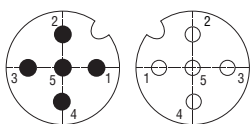
Cable plug



Cable receptacle



Item number	Design	Contact type	D1 Ø [mm]	D2 Ø [mm]	N1	L1 [mm]	L2 [mm]	Layout picture
GTM12-A-4-MP	Cable plug	Pin contact	15	15.0	M12x1	50.0	8.9	
GTM12-A-4-MP-100	Cable plug	Pin contact	15	15.0	M12x1	46.0	8.9	
GTM12-A-4-FS	Cable receptacle	Socket contact	15	15.0	M12x1	50.0	10.3	
GTM12-A-4-FS-100	Cable receptacle	Socket contact	15	15.0	M12x1	46.0	10.3	



Number of contacts	5
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.84
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.34 - 0.75
Wire section [AWG]	22 - 18
Cable diameter [mm]	5.0 - 8.5
Shell material	Brass

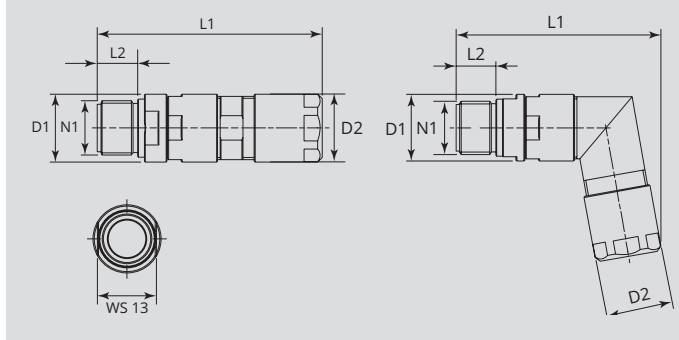
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

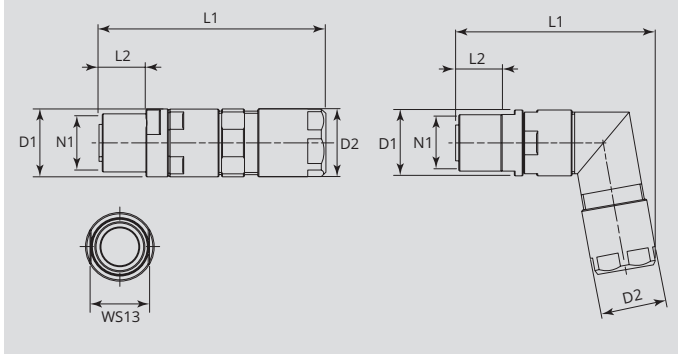
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

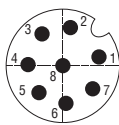
Cable plug



Cable receptacle



Item number	Design	Contact type	D1 Ø [mm]	D2 Ø [mm]	N1	L1 [mm]	L2 [mm]	Layout picture
GTM12-A-5-MP	Cable plug	Pin contact	15	15.0	M12x1	50.0	8.9	
GTM12-A-5-MP-100	Cable plug	Pin contact	15	15.0	M12x1	46.0	8.9	
GTM12-A-5-FS	Cable receptacle	Socket contact	15	15.0	M12x1	50.0	10.3	
GTM12-A-5-FS-100	Cable receptacle	Socket contact	15	15.0	M12x1	46.0	10.3	



Number of contacts	8
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	2
Rated DC voltage [V]	32
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.5
Potential drop across contacts [kV]	0.5
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm²]	0.20 - 0.34
Wire section [AWG]	24 - 22
Cable diameter [mm]	5.0 - 8.5
Shell material	Brass

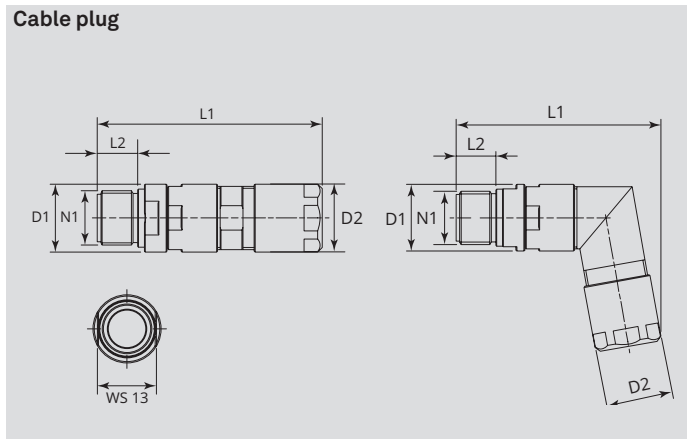
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

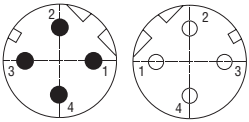
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

Cable plug



Item number	Design	Contact type	D1 Ø [mm]	D2 Ø [mm]	N1	L1 [mm]	L2 [mm]	Layout picture
GTM12-A-8-MP	Cable plug	Pin contact	15	15.0	M12x1	50.0	8.9	 
GTM12-A-8-MP-100	Cable plug	Pin contact	15	15.0	M12x1	46.0	8.9	 



Number of contacts	4
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.34 - 0.5
Wire section [AWG]	22 - 20
Cable diameter [mm]	5.0 - 8.5
Shell material	Brass

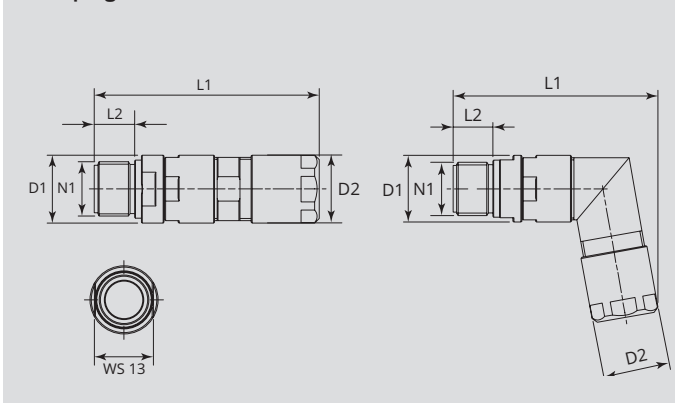
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

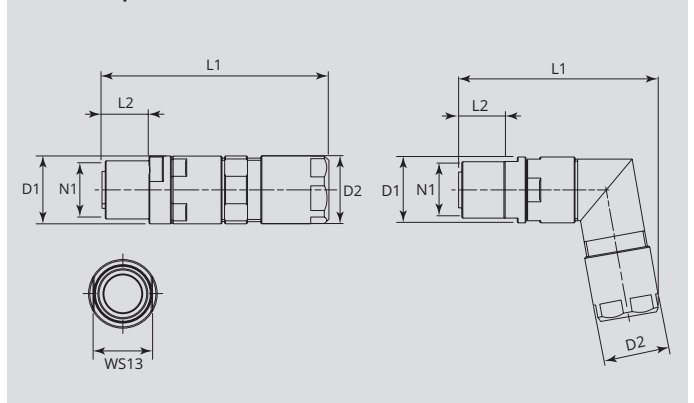
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

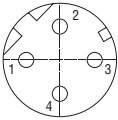
Cable plug



Cable receptacle



Item number	Design	Contact type	D1 Ø [mm]	D2 Ø [mm]	N1	L1 [mm]	L2 [mm]	Layout picture
GTM12-D-4-MP	Cable plug	Pin contact	15	15.0	M12x1	50.0	8.9	
GTM12-D-4-MP-100	Cable plug	Pin contact	15	15.0	M12x1	46.0	8.9	
GTM12-D-4-FS	Cable receptacle	Socket contact	15	15.0	M12x1	50.0	10.3	
GTM12-D-4-FS-100	Cable receptacle	Socket contact	15	15.0	M12x1	46.0	10.3	



Number of contacts	4
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.34 - 0.5
Wire section [AWG]	22 - 20
Cable diameter [mm]	5.0 - 8.5
Shell material	Brass

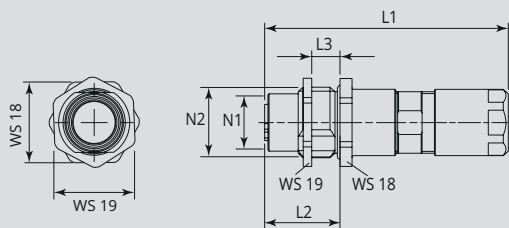
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

International standards

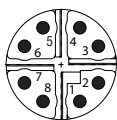
Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

Cable receptacle / Bulkhead receptacle



L3 corresponds to the maximum sheet thickness for mounting

Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-D-4-FS-BR	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	50.0	15.3	5.5	 



Number of contacts	8
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	0.5
Rated DC voltage [V]	48
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.5
Potential drop across contacts [kV]	0.5
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.14 - 0.37
Wire section [AWG]	26 - 22
Cable diameter [mm]	6.0 - 8.5
Shell material	Brass / Zinc alloy

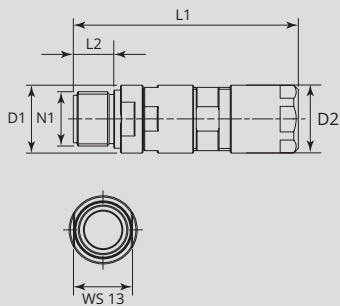
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

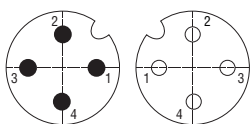
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

Cable plug



Item number	Design	Contact type	D1 Ø [mm]	D2 Ø [mm]	N1	L1 [mm]	L2 [mm]	Layout picture
GTM12-X-8-MP	Cable plug	Pin contact	15	15.0	M12x1	55.0	8.9	 



Number of contacts	4
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	250
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	1.4
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

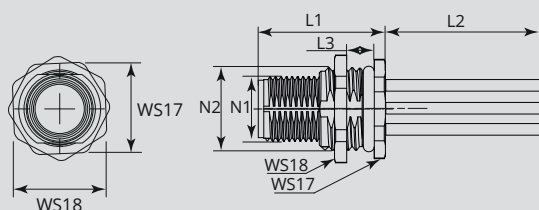
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

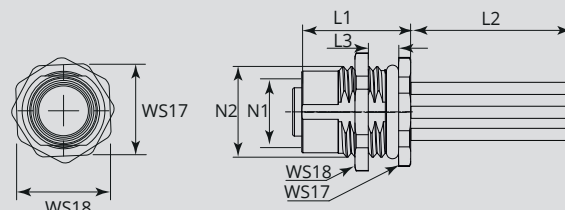
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

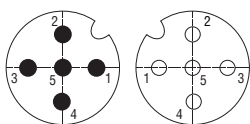
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-A-4-MP-BR-M16-0.25-200	Bulkhead receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-A-4-FS-BR-M16-0.25-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	5
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.84
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

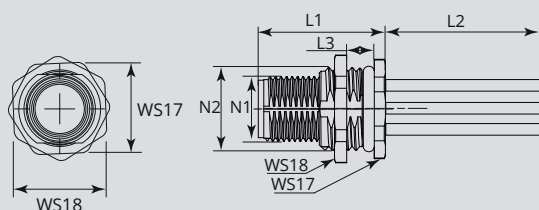
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

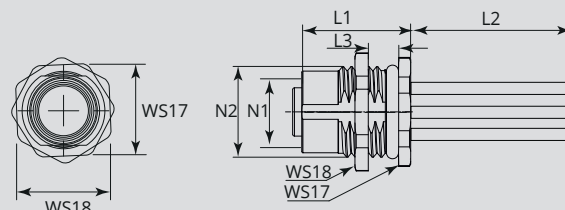
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

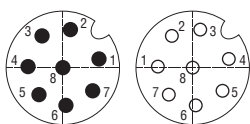
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-A-5-MP-BR-M16-0.25-200	Bulkhead receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-A-5-FS-BR-M16-0.25-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	8
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	2
Rated DC voltage [V]	32
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.5
Potential drop across contacts [kV]	0.5
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

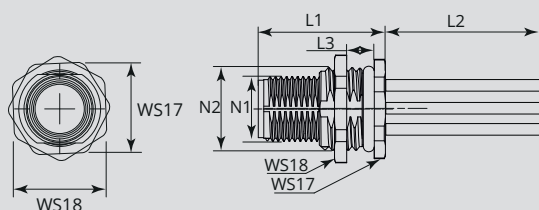
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

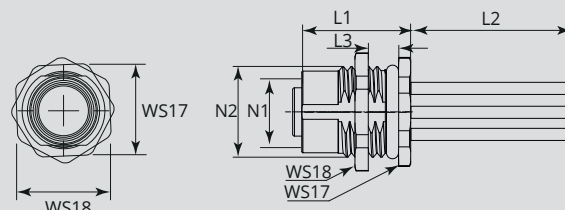
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

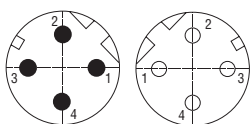
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-A-8-MP-BR-M16-0.25-200	Bulkhead receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-A-8-FS-BR-M16-0.25-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	4
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

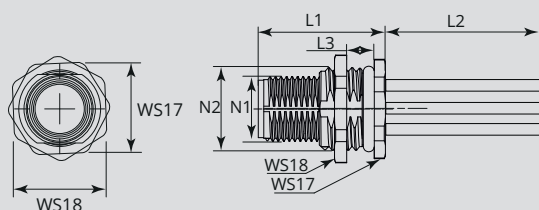
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

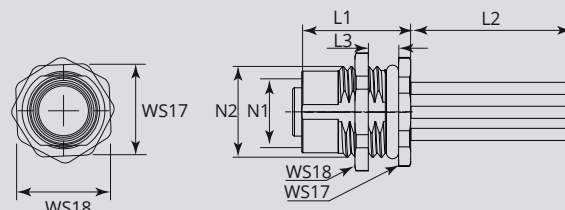
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

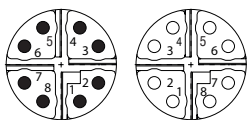
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-D-4-MP-BR-M16-0.25-200	Bulkhead receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-D-4-FS-BR-M16-0.25-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	8 (4 x 2)
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	0.5
Rated DC voltage [V]	48
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.5
Potential drop across contacts [kV]	0.5
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.14 - 0.2
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

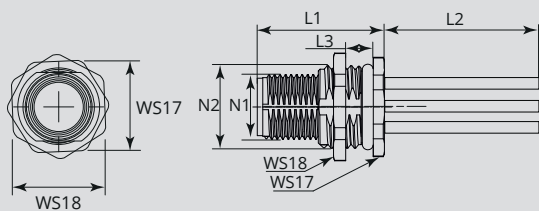
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

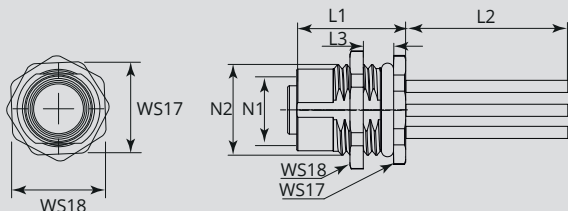
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

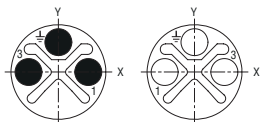
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-X-8-FS-BR-M16-0.14-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	3
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	12
Rated DC voltage [V]	630
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	3.31
Potential drop across contacts [kV]	3.31
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	1.5
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

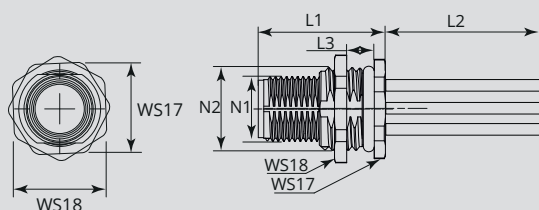
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

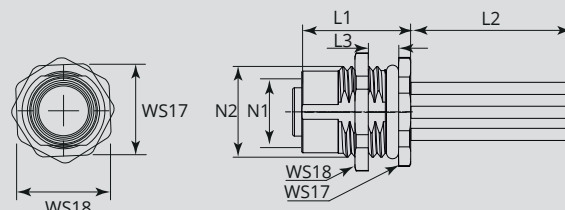
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

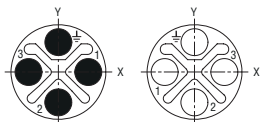
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-S-3-MP-BR-M16-1.5-200	Bulkhead receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-S-3-FS-BR-M16-1.5-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	4
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	12
Rated DC voltage [V]	630
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	3.31
Potential drop across contacts [kV]	3.31
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	1.5
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

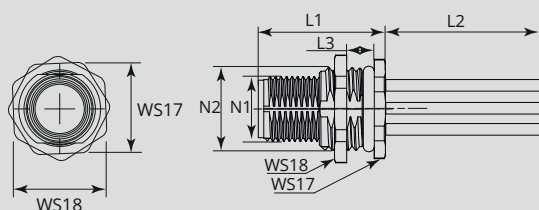
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

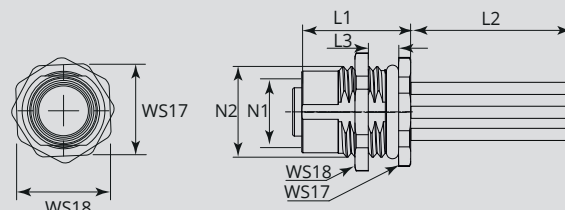
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

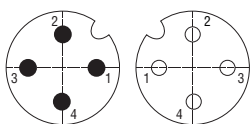
Bulkhead mounting, pin contacts



Bulkhead mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-S-4-MP-BR-M16-1.5-200	Bulkhead receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-S-4-FS-BR-M16-1.5-200	Bulkhead receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	4
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	250
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	1.4
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

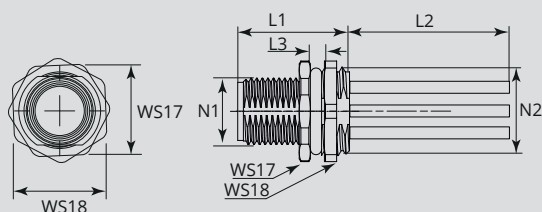
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

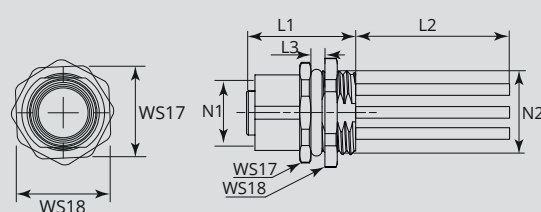
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

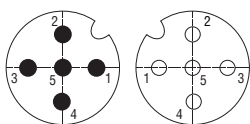
Panel mounting, pin contacts



Panel mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-A-4-MP-PR-M16-0.25-200	Panel receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-A-4-FS-PR-M16-0.25-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	5
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.84
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

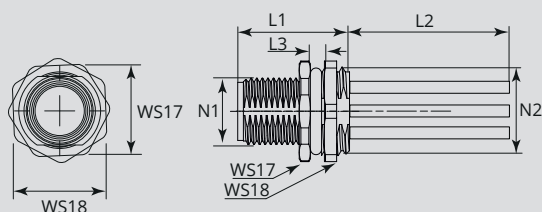
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

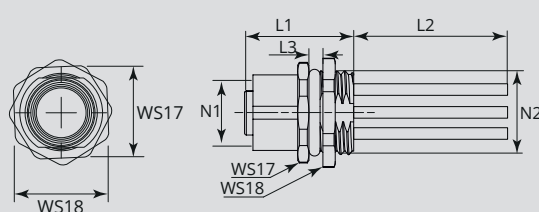
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

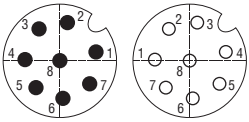
Panel mounting, pin contacts



Panel mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-A-5-MP-PR-M16-0.25-200	Panel receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-A-5-FS-PR-M16-0.25-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	8
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	2
Rated DC voltage [V]	32
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	0.5
Potential drop across contacts [kV]	0.5
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

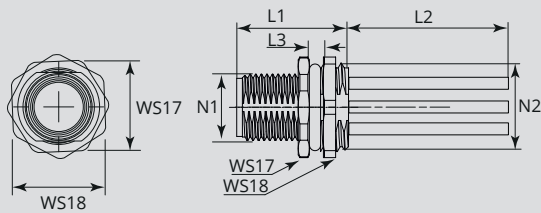
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

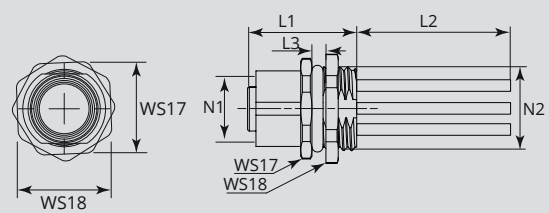
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

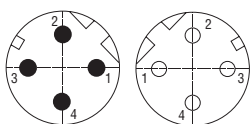
Panel mounting, pin contacts



Panel mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-A-8-MP-PR-M16-0.25-200	Panel receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-A-8-FS-PR-M16-0.25-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	4
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	0.25
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

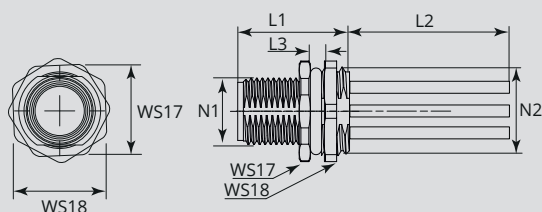
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

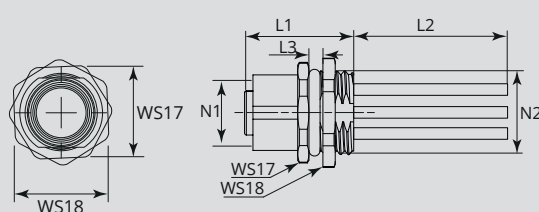
International standards

Basic standards	According EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

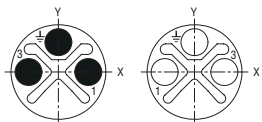
Panel mounting, pin contacts



Panel mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-D-4-MP-PR-M16-0.25-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-D-4-FS-PR-M16-0.25-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	3
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	12
Rated DC voltage [V]	630
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	3.31
Potential drop across contacts [kV]	3.31
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	1.5
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

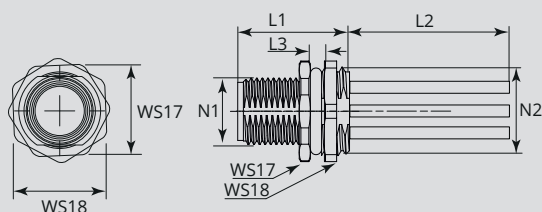
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

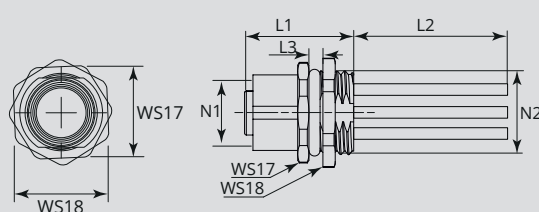
International standards

Basic standards	According EN 61076-2-111
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

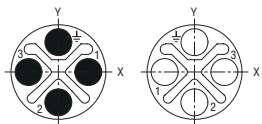
Panel mounting, pin contacts



Panel mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-S-3-MP-PR-M16-1.5-200	Panel receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-S-3-FS-PR-M16-1.5-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	4
Connection type	Crimp / Moulded
EMI	Shell contact



Technical characteristics

Rated current [A]	12
Rated DC voltage [V]	630
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	3.31
Potential drop across contacts [kV]	3.31
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Wire section [mm ²]	1.5
Operating temperature [°C]	-25 - +85
Shell material	Zinc cast

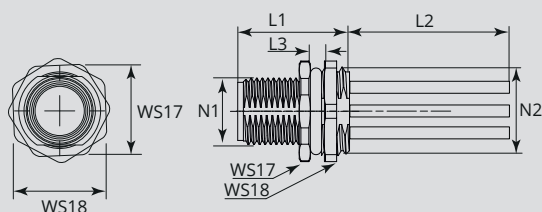
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Polyamide (PA)

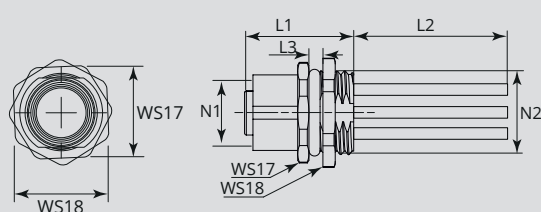
International standards

Basic standards	According EN 61076-2-111
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

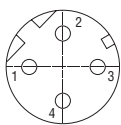
Panel mounting, pin contacts



Panel mounting, socket contacts



Item number	Design	Contact type	N1	N2	L1 [mm]	L2 [mm]	L3 [mm]	Layout picture
GTM12-S-4-MP-PR-M16-1.5-200	Panel receptacle	Pin contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	
GTM12-S-4-FS-PR-M16-1.5-200	Panel receptacle	Socket contact	M12x1	M16x1.5	23.0	200.0	2.5 - 4.5	



Number of contacts	4
Connection type	Soldering (THT)
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	≥ 10 ⁸
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Screwed locking
Shell material	Brass
Surface	Electroless nickel

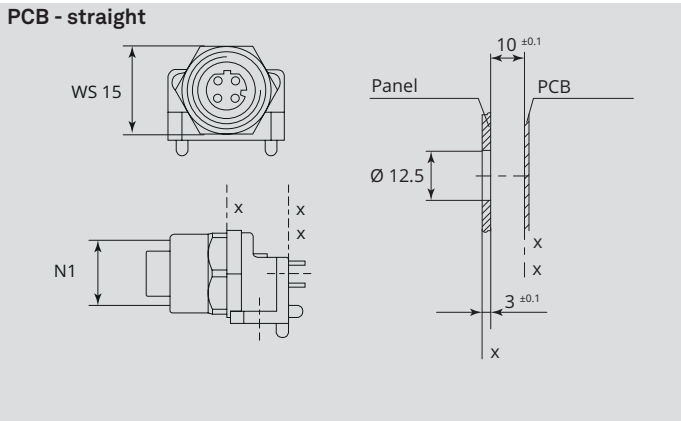
Technical characteristics

Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

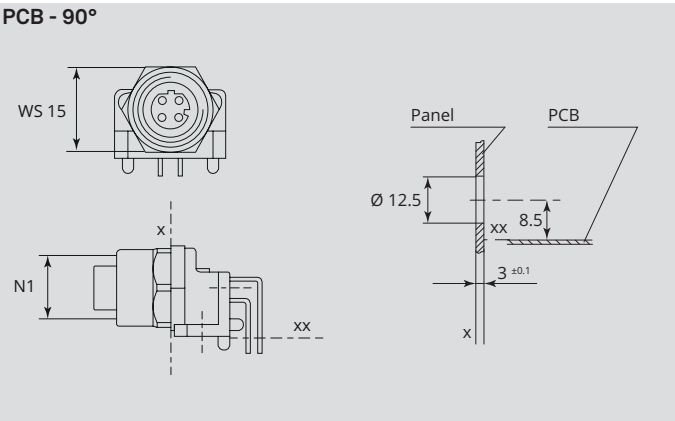
International standards

Basic standards	according EN 61076-2-101
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

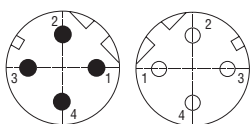
PCB - straight



PCB - 90°



Item number	Contact type	N1	Layout picture
GTM12-D-4-FS-PCB	Socket	M12x1	
GTM12-D-4-FS-90-PCB	Socket	M12x1	



Number of contacts	4
Connection type	Crimp
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Bayonet quick-release lock
Wire section [mm ²]	0.34 - 0.5
Wire section [AWG]	22 - 20
Cable diameter [mm]	5.0 - 8.5
Shell material	Brass

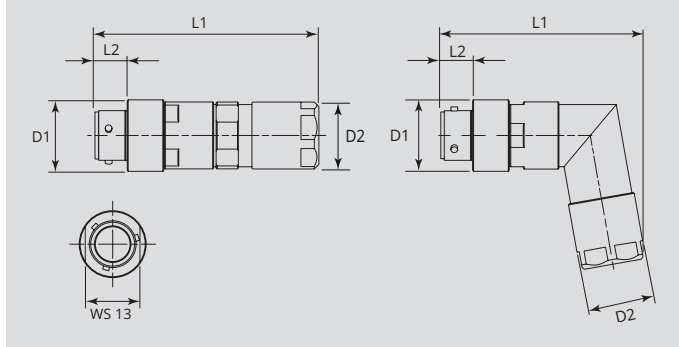
Technical characteristics

Surface	Electroless nickel
Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

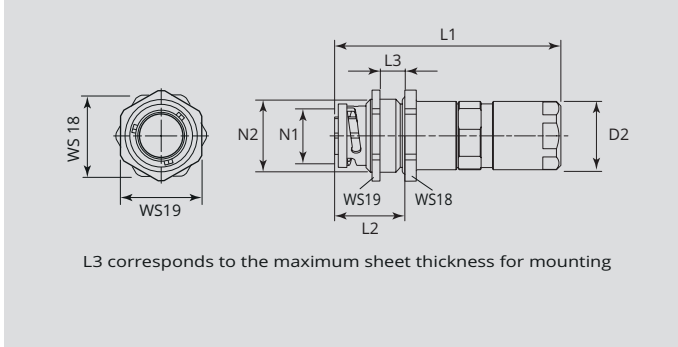
International standards

Basic standards	According EN 61076-2-011
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Fire protection class NFF16-101/102	I2/F2
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	Compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

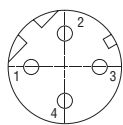
Cable plug



Cable receptacle / Bulkhead receptacle



Item number	Design	Contact type	D1 Ø [mm]	D2 Ø [mm]	L1 [mm]	L2 [mm]	L3 [mm]	N1	N2	Layout picture
GTB12-D-4-MP	Cable plug	Pin contact	16	15.0	50.0	7.2				
GTB12-D-4-MP-100	Cable plug	Pin contact	16	15.0	46.0	7.2				
GTB12-D-4-FS-BR	Bulkhead receptacle	Socket contact		15.0	50.0	15.3	5.5	M12 x1	M16x1.5	



Number of contacts	4
Connection type	Soldering (THT)
EMI	Yes



Technical characteristics

Rated current [A]	4
Rated DC voltage [V]	63
Pollution degree	3
Insulation resistance (Ω)	$\geq 10^8$
Potential drop between contacts and housing [kV]	1.4
Potential drop across contacts [kV]	0.84
Number of mating cycles (min.)	200
Locking mode	Bayonet quick-release lock
Shell material	Brass
Surface	Electroless nickel

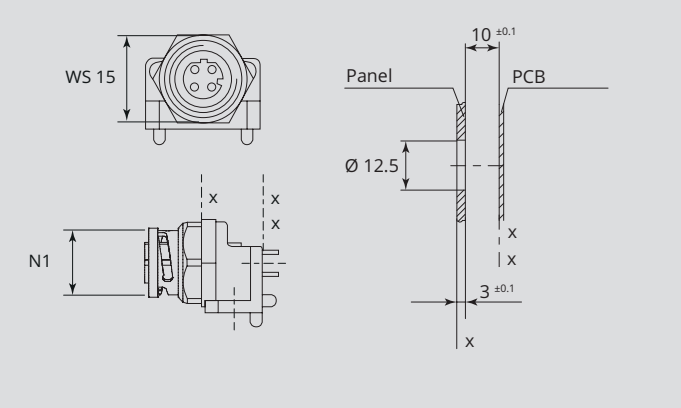
Technical characteristics

Contact Material	AU over copper alloy
Material contact insert	Latamid 6H-V0

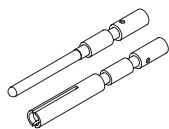
International standards

Basic standards	according EN 61076-2-011
Fire protection class DIN EN 45545-2	R23: HL1/HL2/HL3
Protection class EN 60529 (mounted)	IP67
RoHS-compliant	compliant with exception 6c (copper alloy $\leq 4\%$ lead)
REACH-compliant	SVHC substances, yes - Lead

PCB - straight



Item number	Contact type	N1	Layout picture
GTB12-D-4-FS-PCB	Socket	M12x1	 
GTB12-D-4-FS-90-PCB	Socket	M12x1	 



Suitable to	M12-A4/A5
Connection type	Crimp
Type of manufacture	Turned

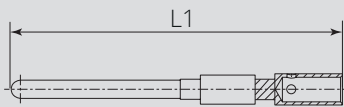


Technical characteristics

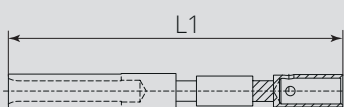
Wire section [mm²]	0.34 - 0.75
Wire section [AWG]	22 - 18
Operating temperature [°C]	-55 - +85
Contact Material	CU alloy
Coating	Gold

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

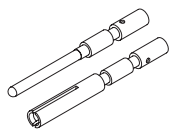
Pin



Socket



Item number	Contact type	Wire section [mm²]	Wire section [AWG]	Coding	L1 [mm]	
GTM12PC18AU.20	Pin	0.34 - 0.75	22 - 18	A	18.20	
GTM12PC18AU.100	Pin	0.34 - 0.75	22 - 18	A	18.20	
GTM12SC18AU.20	Socket	0.34 - 0.75	22 - 18	A	18.20	
GTM12SC18AU.100	Socket	0.34 - 0.75	22 - 18	A	18.20	



Suitable to	M12-A8
Connection type	Crimp
Type of manufacture	Turned

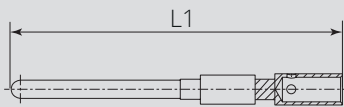


Technical characteristics

Wire section [mm²]	0.2
Wire section [AWG]	24
Operating temperature [°C]	-55 - +85
Contact Material	CU alloy
Coating	Gold

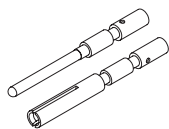
RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin



Item number	Contact type	Wire section [mm²]	Wire section [AWG]	Coding	L1 [mm]
GTM12PC24AU.20	Pin	0.2	24	A	17.0
GTM12PC24AU.100	Pin	0.2	24	A	17.0





Suitable to	M12-D4
Connection type	Crimp
Type of manufacture	Turned

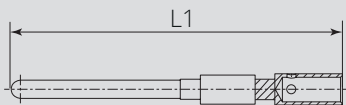


Technical characteristics

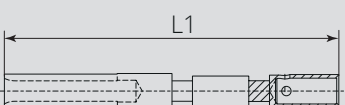
Wire section [mm²]	0.34 - 0.5
Wire section [AWG]	22 - 20
Operating temperature [°C]	-55 - +85
Contact Material	CU alloy
Coating	Gold

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

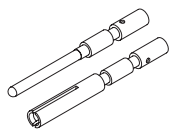
Pin



Socket



Item number	Contact type	Wire section [mm²]	Wire section [AWG]	Coding	L1 [mm]	
GTM12PC20AU.20	Pin	0.34 - 0.5	22 - 20	D	17.00	
GTM12PC20AU.100	Pin	0.34 - 0.5	22 - 20	D	17.00	
GTM12SC20AU.20	Socket	0.34 - 0.5	22 - 20	D	17.00	
GTM12SC20AU.100	Socket	0.34 - 0.5	22 - 20	D	17.00	



Suitable to	M12-X8
Connection type	Crimp
Type of manufacture	Turned

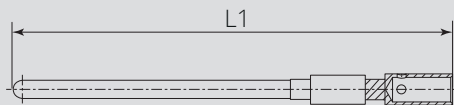


Technical characteristics

Wire section [mm²]	0.14 - 0.37
Wire section [AWG]	26 - 22
Operating temperature [°C]	-55 - +85
Contact Material	CU alloy
Coating	Gold

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

Pin



Item number	Contact type	Wire section [mm²]	Wire section [AWG]	Coding	L1 [mm]
GTM12PC23AU.20	Pin	0.14 - 0.37	26 - 22	X	21.80
GTM12PC23AU.100	Pin	0.14 - 0.37	26 - 22	X	21.80





Technical characteristics

Shell material	Brass nickel plated
EMI	Yes
REACH-compliant	SVHC substances, yes - Lead

Item number	Product description	
GTM12-MP-CAP	Protection cap for M12 plug	
GTM12-FS-CAP	Protection cap for M12 receptacle	



Technical characteristics

Shell material	Stainless steel
EMI	Yes

Item number	Product description	
CIC35-12-16	Mounting clip for standard C-rails	
CICE35-12-16K	Mounting clip for standard C-rails (insulated)	



Technical characteristics

Dimensions [mm]	98 x 45 x 21
Suitable for	Stranded wires/wires
Wire section [mm²]	0.05 - 0.5
Wire section [AWG]	30 - 20

Item number	Product description
GIW-ACK	Wire stripper for strands and wires (AWG20-30) up to a length of 25mm.



Technical characteristics

Dimensions [mm]	175 x 60x 22
Suitable for	GTM/GTB contacts
Wire section [mm²]	0.032 - 0.5
Wire section [AWG]	32 - 20

Item number	Product description
GIW-AFM8	Universal DMC hand press tool, short version.
GIW-AFM8-SK2-2	Universal positioning adaptor for mechanical hand press tool GIW-AFM8



Technical characteristics

Dimensions [mm]	Length = 215
Suitable for	GTM12 connectors

Item number	Product description
GIW-DM12	Tightening tool to ensures the required max. tightening torque (1Nm) for mating the GTM12 connectors.



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.

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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