

## SAIL-M12GM12G-CD-20A

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com



The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

### General ordering data

Version	Bus line, Connecting line, M12 / M12, Number of poles: 5, 20 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1964712000</a>
Type	SAIL-M12GM12G-CD-20A
GTIN (EAN)	4050118593938
Qty.	1 Stück

Erstellungs-Datum May 30, 2023 5:28:33 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Net weight 1,000 g

### Technical specifications for cable

Acceleration	5 m/s <sup>2</sup>	Bending cycles	3 Mio
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	20 m	Colour coding	white, blue, red, black
Configurable cable length	No	Halogen	No
Hybrid cable	No	Insulation	TPE
Irradiation crosslinked	No	Number of poles	5
Outer cladding in accordance with UL AWM style	20236 (80 °C / 30 V)	Outside diameter	7 mm ± 0.3 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	violet	Shielded	Yes
Speed	180 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-10...80 °C	Temperature range, stationary	-40...80 °C
Welding spark resistance	No	Wire cross section (Print/Online)	2 x 0.34 mm <sup>2</sup> + 2 x 0.22 mm <sup>2</sup>

### General technical data

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67	Rated current	4 A
Rated voltage	125 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

### Electrical properties

Insulation strength 10<sup>8</sup> Ω      Rated voltage 125 V

### General standards

Certificate no. (cULus) E307231

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## Technische Daten

### Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	A
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	Yes
	Cable side	right
	Version of contact face	M12
	Coding of plug	A
	Protection degree (IP)	IP67
	Gender of contact	female contact
	Outlet direction	straight
Housing main material	Plastic	
Shielding available	Yes	
Plug left	M12, A, IP67, male contact, straight, Plastic, shielded	
Plug right	M12, A, IP67, female contact, straight, Plastic, shielded	

### Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd555fbf5cb55

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

### Downloads

Product Change Notification	<a href="#">20221115 Technical change to CANopenDeviceNet cord sets and cables</a> <a href="#">20221115 Technische Änderung zu CANopenDeviceNet Leitungen</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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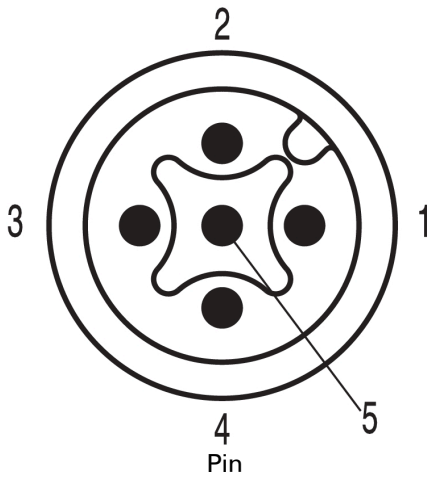
**Zeichnungen**

**Dimensioned drawing**

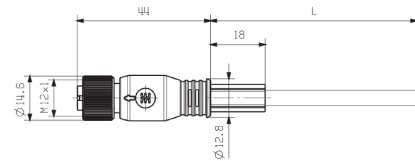


Male, straight

**Pole scheme**

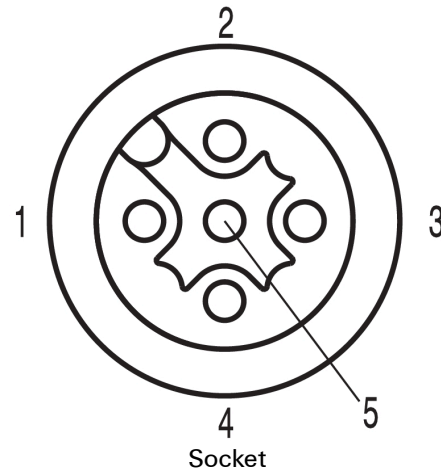


**Dimensioned drawing**

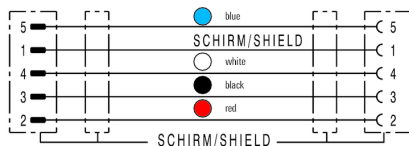


Straight socket

**Pole scheme**



**Wiring diagram**



**The ideal tool: Screwty® with torque function**



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F