

Connector - SACC-M12FR-12SOL-PG 9-M SH - 1404413

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Connector, Universal, 12-position, shielded, Socket angled M12, A-coded, Solder connection, knurl material: Zinc die-cast, nickel-plated, Cable gland Pg9, External cable diameter 6 mm ... 8 mm



Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Save space – with high-pos. connectors
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 693868
GTIN	4046356693868
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External cable diameter	6 mm ... 8 mm
Stripping length of the sheath	40 mm
Stripping length of the individual wire	4 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
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Technical data

Ambient conditions

Degree of protection	IP67
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General

Rated current at 40°C	1.5 A (up to 40 °C)
Rated voltage	30 V
Number of positions	12
Insulation resistance	> 10 GΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder connection
Conductor cross section	0.08 mm ² ... 0.25 mm ²
Conductor cross section AWG	28 ... 24
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm ... 1 Nm (Pressure screw)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated

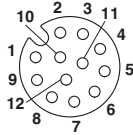
Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

Drawings

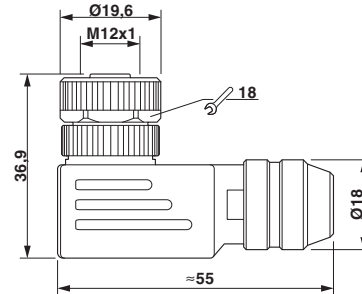
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Schematic diagram



Pin assignment M12 socket, 12-pos., A-coded, view female side

Dimensional drawing



M12 x 1 socket, angled, shielded

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062
ETIM 6.0	EC002062

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121413
UNSPSC 11	39121413
UNSPSC 12.01	39121413
UNSPSC 13.2	39121413

Approvals

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Approvals

Approvals

EAC / EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

EAC		7500651.22.01.00246
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EAC		EAC-Zulassung
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
		Nominal current IN	1 A
		Nominal voltage UN	30 V

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
		Nominal current IN	1 A
		Nominal voltage UN	30 V

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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Accessories

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Protective cap

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Accessories

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



Screwdriver tools

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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Accessories

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