

Bus system connector - SACC-M12MS-8Q SH - 1543236

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Bus system connector, Ethernet CAT5 (1 Gbps), 8-position, shielded, Plug straight M12, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 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
- ✓ Insulation displacement connection: innovative and time-saving assembly without stripping the single wire
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference



Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 097390
GTIN	4046356097390
Weight per Piece (excluding packing)	46.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External diameter	4 mm ... 8 mm
Stripping length of the sheath	≥ 35 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP67

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Technical data

General

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm² ... 0.34 mm²
Conductor cross section AWG	26 ... 22
Wire diameter incl. insulation	≤ 1.6 mm
Frequency of connections between conductors of the same cross section	≤ 10
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm (Connector with coupling sleeve)
	3 Nm (Pressure nut with coupling sleeve)

Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	Neoprene

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

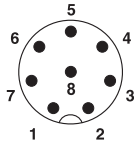
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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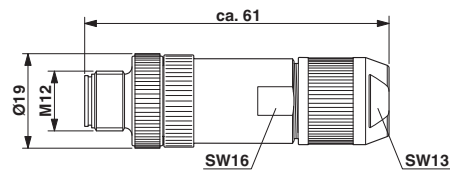
Drawings

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

Dimensional drawing



Plug, M12 x 1, straight, shielded

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27260701
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
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	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

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Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC		7500651.22.01.00246
EAC		EAC-Zulassung

Accessories

Accessories

Data cable by the meter

Network cable - VS-OE-OE-94B/... - 1417333



Network cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, Cable length: Free entry (0.5 ... 400.0 m)

Network cable - VS-OE-OE-94C/... - 1417346



Network cable, Ethernet CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, Cable length: Free entry (0.5 ... 400.0 m), For drag chains

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Accessories

Network cable - VS-OE-OE-94F/... - 1417359



Network cable, Ethernet CAT6_A (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, Cable length: Free entry (0.5 ... 400.0 m)

Electronics pliers

Diagonal cutter - MICROFOX-SB - 1212489



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

Protective cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic 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

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Accessories

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

Shield connection

Shielding foil - ALU-SB - 1404531



Shielding foil, for fixing the braided shield of shielded cables. Length: 4 cm, width: 1.2 cm

Stripping tool

Stripping tool - WIREFOX-D 40 - 1212161



Stripping tool, for stripping cables of 4.5 mm - 40 mm-Ø, insulation thickness of up to 4.5 mm, pivoting blade for round, lengthwise, and spiral cuts

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

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Accessories

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



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

Torque screwdriver - TSD 08 SAC - 1212597



Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables