

SACC-DSI-MS-17CON-PG9/5,0 SCO - Device
connector rear mounting

1446139
<https://www.phoenixcontact.com/us/products/1446139>

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Device connector rear mounting, 17-position, PUR halogen-free, black RAL 9005, Pin, straight, M12-SPEEDCON, A-coding, Individual wires, cable length: 5 m, 0.14 mm², PUR halogen-free black, potted, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1446139
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	ABQCGE
GTIN	4046356619875
Weight per piece (including packing)	432 g
Weight per piece (excluding packing)	417.601 g
Country of origin	DE

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Technical data

Notes

Order information:	Lock nut is included in the scope of delivery
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Mounting

Mounting type	Rear mounting (Pg9)
Tightening torque	2 Nm ... 3 Nm

Product properties

Product type	Circular connectors (device side)
Application	Signal
Number of positions	17
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Molding compound	PUR (potted)
Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Outer sheath, material	PUR
Conductor material	Tin-plated Cu litz wires

Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V
Nominal current I_N	1.5 A
Max. conductor resistance	142 Ω/km

Connection data

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Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross-section	0.14 mm ²
Tightening torque	2 Nm ... 3 Nm

Mechanical properties

Mechanical data

Max. bending cycles	4000000
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Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

Cable/line

Cable length	5 m
Cable type	PUR halogen-free black
External cable diameter	8.00 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Wire diameter incl. insulation	1 mm ±0.05 mm
Single wire, color	white-brown, green-yellow, gray-pink, blue-red, black-violet, gray/pink-red/blue, white/green-brown/green, white/yellow-yellow/brown-white/gray
Cable cross section	0.14 mm ²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Material wire insulation	PP
Overall twist	17 wires twisted in layers
Cable resistance	142 Ω/km
Number of bending cycles	4000000
Bending radius	60 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10

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Special properties	Low adhesion surface
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)
Resistance to oil	DIN VDE 0472 Part 803, test type B
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10

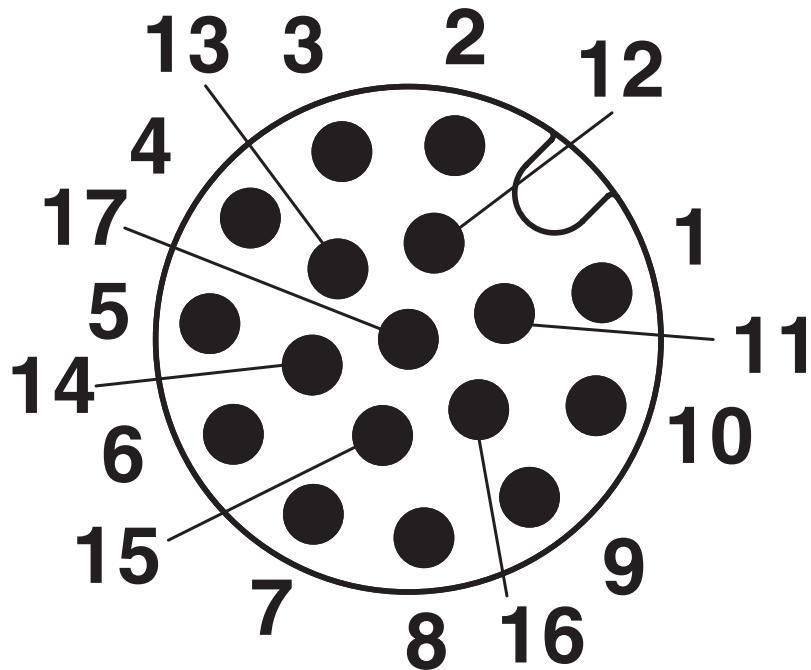
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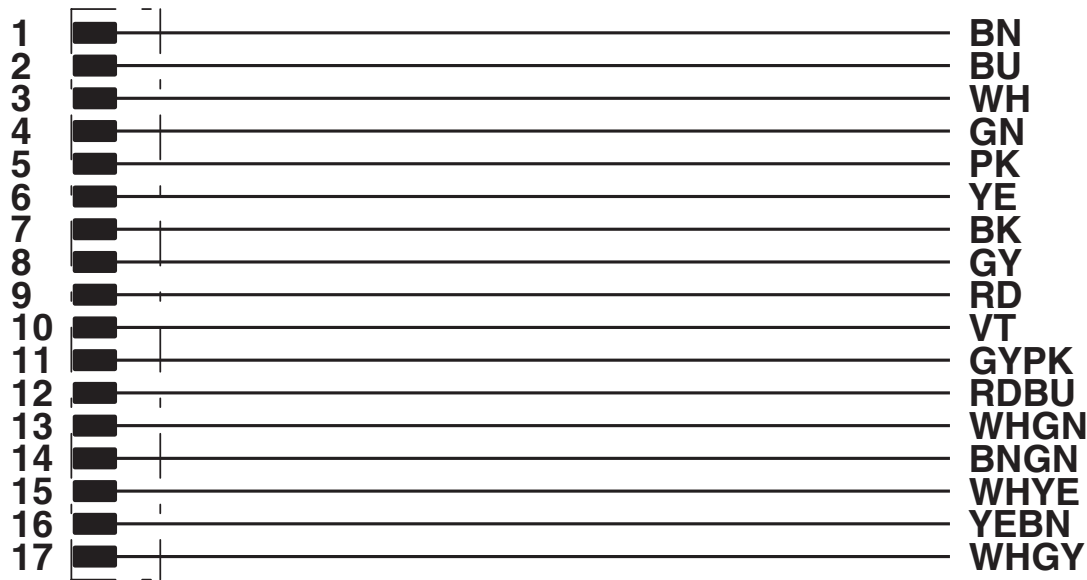
Drawings

Schematic diagram



Pin assignment M12 male connector, 17-pos., male side view

Circuit diagram



Contact assignment of the M12 plug

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1446139>

 UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1.5 A	26	-

 cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1.5 A	26	-

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Classifications

ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

ETIM

ETIM 9.0	EC003570
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	659ffc63-b4b3-477a-8ec4-32294dcf0fcd

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