

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting



1437805

<https://www.phoenixcontact.com/us/products/1437805>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, PROFINET CAT5 (IEC 11801:2002) (100 Mbps), EtherCAT® CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, Pin, straight, M12-SPEEDCON, D-coding, on free cable end, Cable connection, cable length: 0.5 m, PROFINET PVC stranded CAT5, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Your advantages

- Preassembled with cables in various standard lengths for immediate use
- Customer-specific assemblies and cable lengths can be supplied
- Sealed on the cable side for optimum tightness of seal
- Cable designs for all common networks and fieldbuses
- For high transmission safety: shield connection to the housing with optional EMC nut

## Commercial data

Item number	1437805
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABQDGD
GTIN	4046356458542
Weight per piece (including packing)	65.9 g
Weight per piece (excluding packing)	48.933 g
Country of origin	DE

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting



1437805

<https://www.phoenixcontact.com/us/products/1437805>

## Technical data

### Notes

Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Order information:	Lock nut is included in the scope of delivery

### Mounting

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

### Product properties

Product type	Circular connectors (device side)
Application	Data
Sensor type	PROFINET
Number of positions	4
No. of cable outlets	1
Shielded	yes
Coding	D
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Outer sheath, material	PVC

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V AC
Nominal current $I_N$	4 A (Plug/socket in accordance with IEC 61076-2-101, cable technical data is to be observed)

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting



1437805

<https://www.phoenixcontact.com/us/products/1437805>

Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

## Connection data

### Conductor connection

Connection method	Cable connection
Contact connection type	Pin
Tightening torque	2 Nm ... 3 Nm (Installation-side)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

## Connector

### Connection 1

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


### Connection 2

Head design	free cable end
-------------	----------------

## Cable/line

Cable length	0.5 m
--------------	-------

### PROFINET PVC stranded CAT5 [93B]

Dimensional drawing	
UL AWM Style	21695 (80 °C / 600 V)
Number of positions	4
Shielded	yes
Cable type	PROFINET PVC stranded CAT5 [93B]
Conductor structure	1x4xAWG22/7, SF/TQ

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting



1437805

<https://www.phoenixcontact.com/us/products/1437805>

AWG signal line	22
Conductor cross section	4x 0.34 mm <sup>2</sup>
Wire diameter incl. insulation	1.5 mm ±0.1 mm
External cable diameter	6.50 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	green RAL 6018
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	white, yellow, blue, orange
Overall twist	Star quad
Optical shield covering	85 %
Insulation resistance	≥ 5 GΩ*km
Loop resistance	≤ 120.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Nominal voltage, cable	≤ 600 V
Test voltage Core/Core	2000 V ((50 Hz/1 min))
Test voltage Core/Shield	2000.00 V ((50 Hz/1 min))
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Flame resistance	UL 1581, Section 1060 and UL 2556, Section 9.3 (FT1)
	UL 1685 (CSA FT 4)
	UL 1581, Section 1100 and UL 2556, Section 9.1 (HFT/FT2)
Resistance to oil	OIL RES I according to UL 2256
Other resistance	UV resistant (according to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-10 °C ... 70 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

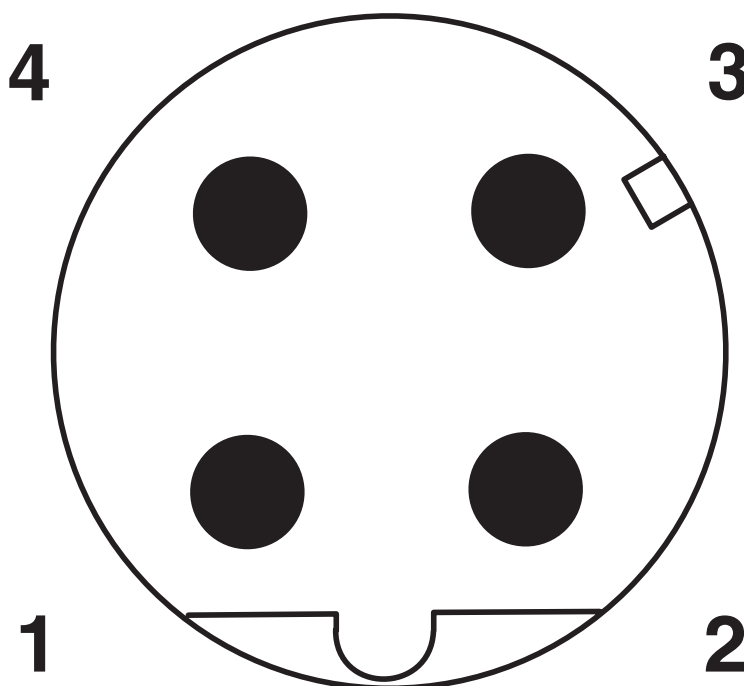
# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting

1437805

<https://www.phoenixcontact.com/us/products/1437805>

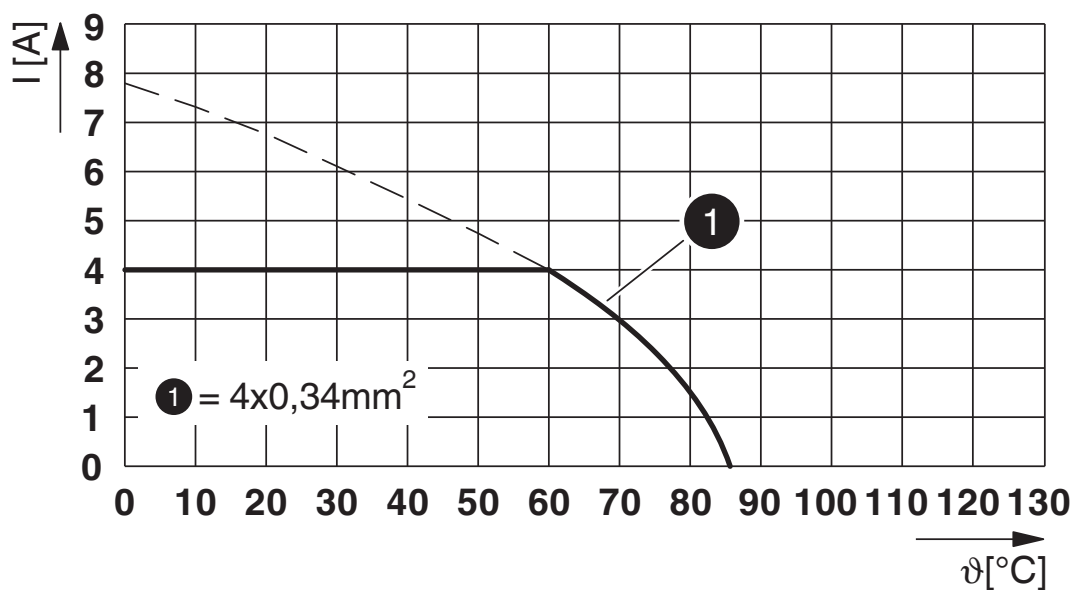
## Drawings

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

Diagram



I = current strength, T = ambient temperature

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting





1437805


<https://www.phoenixcontact.com/us/products/1437805>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1437805>

 <b>UL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	250 V	4 A	- 22	-

 <b>cUL Recognized</b> Approval ID: E221474-20220907				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	250 V	1.5 A	-	-

 <b>UL Recognized</b> Approval ID: E221474-20220907				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	250 V	4 A	-	-

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting



1437805

<https://www.phoenixcontact.com/us/products/1437805>

## Classifications

### ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

### ETIM

ETIM 9.0	EC003570
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SACCBP-MSD-4CON-PG9/0,5-933SCO - Device connector rear mounting



1437805

<https://www.phoenixcontact.com/us/products/1437805>

## 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	534331ab-23b9-4a4c-a2a1-0eb9daa2bd2d

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)