

Connector - SACC-MINMR-5CON-PG13/2,5 - 1456255

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Connector, 5-position, Plug angled 7/8"-16UNF, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg13,5, external cable diameter 10 mm ... 12 mm, Contact 3 capacitive

Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Screw connection: proven connection technology for a large selection of different conductors

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 616881
GTIN	4046356616881
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Diameter housing	28 mm
Length	71.6 mm
External cable diameter	10 mm ... 12 mm
Stripping length of the sheath	30 mm
Stripping length of the individual wire	7 mm

Ambient conditions

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Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	9 A
Rated voltage	300 V
Number of positions	5
Color handle area	black
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.34 mm² ... 2.5 mm² (without ferrule)
	0.34 mm² ... 2.5 mm² (with ferrule)
	0.34 mm² ... 2.5 mm² (solid)
Conductor cross section AWG	22 ... 14 (without ferrule)
	22 ... 14 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.8 Nm (7/8" connectors)
	0.4 Nm (Screw terminal blocks)
	1 Nm ... 1.4 Nm (Pressure screw)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR / PA 6.6
Material of grip body	PBT
Material, knurls	Zinc die-cast, nickel-plated

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

Environmental Product Compliance

Connector - SACC-MINMR-5CON-PG13/2,5 - 1456255

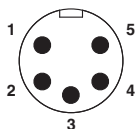
Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

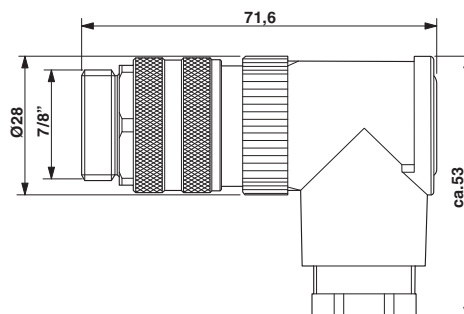
Drawings

Schematic diagram



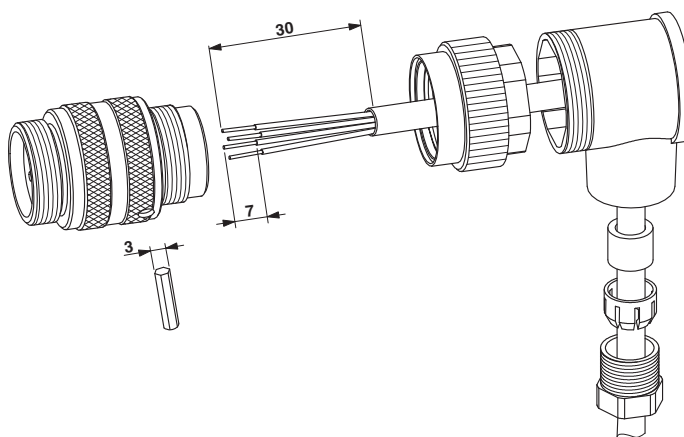
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Dimensional drawing



7/8" plug, angled

Functional drawing



Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815

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Classifications

eCl@ss

eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

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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UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage UN	600 V		
Nominal current IN	16 A		

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EAC		RU C- DE.AI30.B.01102
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Accessories

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Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" connectors



Screwdriver tools

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

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Tool - SAC BIT MIN-D25 - 1212512



Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive

Torque tool

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

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



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