



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Connector - SACC-M12FR-5CON-PG 9-SH - 1430433

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Connector, 5-position, shielded, Socket angled M12, A-coded, Screw 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
- ✓ Screw connection: proven connection technology for a large selection of different conductors
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 322706
GTIN	4046356322706

Technical data

Dimensions

Diameter housing	20 mm
Length	37 mm
External cable diameter	6 mm ... 8 mm
Stripping length of the sheath	40 mm
Stripping length of the individual wire	5 mm

Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	60 V DC

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Technical data

General

	48 V AC
Number of positions	5
Insulation resistance	$\geq 100 \text{ M}\Omega$
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.25 mm ² ... 0.75 mm ² (without ferrule)
	0.14 mm ² ... 0.75 mm ² (with ferrule)
	0.25 mm ² ... 0.75 mm ² (solid)
Conductor cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure nut with coupling sleeve)
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
	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	PA
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

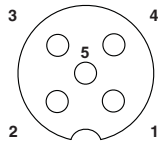
Environmental Product Compliance

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"

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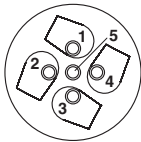
Drawings

Schematic diagram



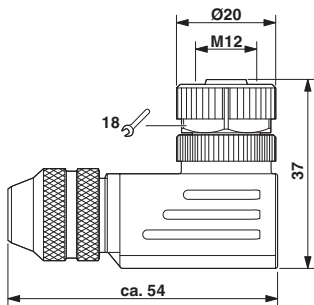
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Schematic diagram



Cable connection side M12 (screw connection)

Dimensional drawing



M12 x 1 socket, angled, shielded

Approvals



Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals


Approval details


EAC		EAC-Zulassung
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 221474
Nominal voltage UN	125 V	

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Approvals

Nominal current I _N	4 A

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal voltage U _N		125 V	
Nominal current I _N		4 A	

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