SACC-DSIV-M12FS-5CON-L180 ST X - Device connector rear mounting

1396599

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Device connector rear mounting, 5-position, Socket, straight, M12, A-coding, Wave soldering

Your advantages

- Standard pin assignments and codings for signal and data transmission with a uniform design-in design
- Easy PCB mounting: two-piece connectors for wave soldering
- Secure assembly: locking clips for fixing onto the PCB
- Sustainable and future-proof: lead-free in accordance with RoHS II without Exemption 6c
- Worldwide availability through global distribution channels

Commercial data

Item number	1396599
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQEHI
GTIN	4063151781101
Weight per piece (including packing)	13.7 g
Weight per piece (excluding packing)	13 g
Customs tariff number	85366990
Country of origin	CN

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.

Mounting

Mounting type	Rear mounting (M12 x 1, with locking nut)

Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Housing	Zinc alloy
Material Contact carrier	PA 10T
Material Contact	Copper alloy
Material Contact surface	Ni/Au
Material Seal	FKM
Flammability rating according to UL 94	V-0

Electrical properties

Rated surge voltage	1.5 kV
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

Environmental and real-life conditions

Ambient conditions

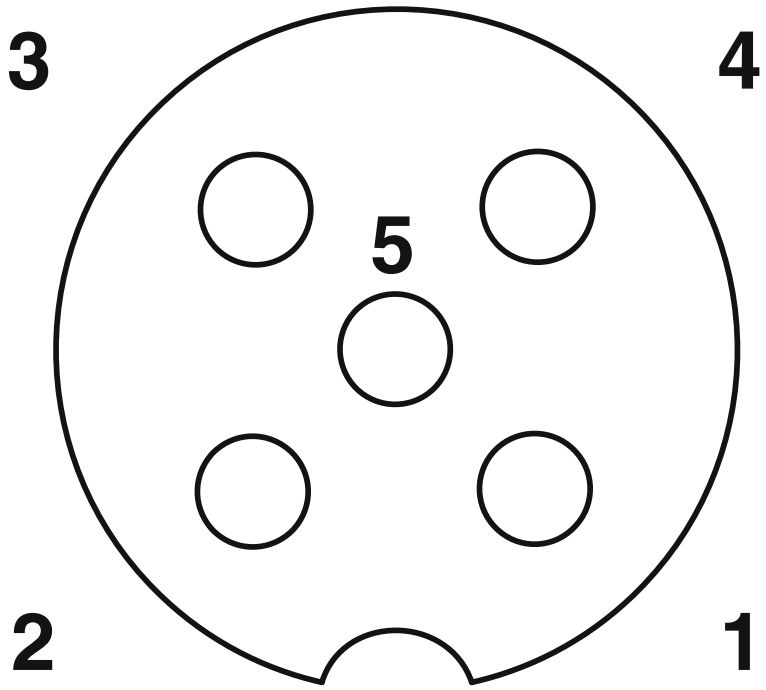
Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

Drawings

Schematic diagram



Approvals

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cULus Recognized
Approval ID: E529600-20230307

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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	60 V	4 A	22	-

Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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