

# SACC-M12-PPI NUT L 90 - Housing screw connection



1233779

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Housing screw connection, Socket, M12-Push-pull internal locking, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Your advantages

- Plug and Produce: quick and reliable connection even in confined spaces
- Easy design-in: countersunk M12 ports for compact device concepts
- Highly future-proof: standardized product range for worldwide availability
- Greater flexibility: one M12 device connection for screw and push-pull connectors

## Commercial data

Item number	1233779
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQAAH
GTIN	4063151337100
Weight per piece (including packing)	10.42 g
Weight per piece (excluding packing)	10.097 g
Customs tariff number	74198090
Country of origin	DE

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## 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

### Product properties

Product type	Circular connector housing
Thread type	M12

### Connection data

Connection method	THR solder connection
Tightening torque	1.5 ... 2 Nm

### Material specifications

Material	Brass, nickel-plated
Flammability rating according to UL 94	V0
Seal material	HNBR
	FKM
Material of grip body	Brass, nickel-plated
Material for screw connection	Brass, nickel-plated

### Connector

#### Connection 1

Head design	Socket
Head thread type	M12
Head locking type	Push-pull internal locking

### Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	> 100
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
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Degree of protection	IP67 (correctly plugged in and locked)
	IP67, when in locked state
	IP65, when in locked state
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	based on IEC 61076-2-010

## Mounting

Mounting type	Front mounting (M12 x 1)
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## Classifications

### ECLASS

ECLASS-13.0	27440224
ECLASS-15.0	27440224

### ETIM

ETIM 9.0	EC003556
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### UNSPSC

UNSPSC 21.0	39121400
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## 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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