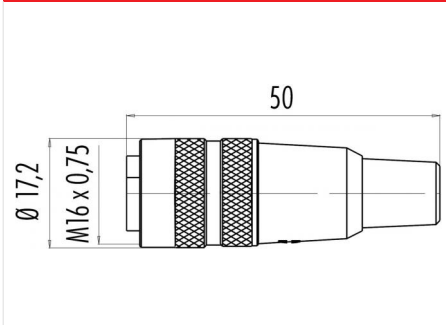


Product description	M16 IP40 female cable connector, Contacts: 12, 6.0 - 8.0 mm, unshielded, solder, IP40
Area	M16 IP40 series 680
Order number	09 0330 02 12

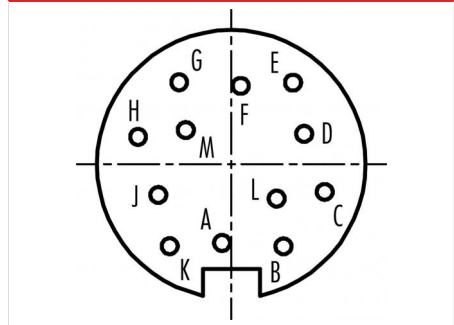
Illustration



Scale drawing



Contact arrangement (Plug-in side)



Technical data

General features

Order number	09 0330 02 12
Connector design	female cable connector
Version	connector female
Connector locking system	straight
Termination	screw
Degree of protection	solder
Cross-sectional area	IP40
Cable outlet	0.25 mm ² / AWG 24
Temperature range from/to	6.0 - 8.0 mm
Mechanical operation	-40 °C / 85 °C
Weight (g)	> 1000 Mating cycles
Customs tariff number	18.434
	85369010

Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60204-1:2018;EN 60529:1991)
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Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current (40 °C)	3 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	unshielded

Material

Housing material	PA
Contact body material	PBT (UL94 V-0)
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)

Classifications

eCl@ss 11.1	27-44-01-09
ETIM 7.0	EC003569

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Security notices

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).