Product data sheet

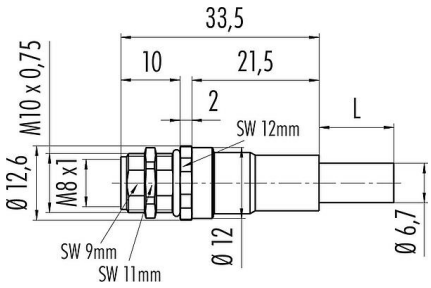
Automation technology - Sensors and actuators

Product description	**M8 Female panel mount connector, Contacts: 4, shielded, with cable assembled, IP67, M10x0.75, Ethernet, PUR, green, 4 x AWG 22, Rear mounting, potted, 0.5 m**
Area	**M8**
Coding	**A-coded**
Series	**718**
Part no.	**70 3420 005 04**

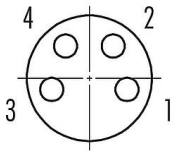
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



1 yellow
2 white
3 blue
4 orange

Shielding sleeve = shield

You can find the assembly instructions on the next page.

Technical data

General features

Part no.	70 3420 005 04
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-104
Coding	A-coded
Cable length	0.5 m (Other lengths are available on request.)
Version	Connector socket straight
Connector locking system	screw
Termination	with cable assembled
Degree of protection	IP67
Connection cross-section	0.34 mm² / AWG 22
Temperature range from/to	-40 °C / 80 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	43.00
Customs tariff number	85444290
Country of Origin	DE

Electrical parameters

Rated voltage	50 V (AC) / 60 V (DC)
Rated impulse voltage	800 V
Rated current	4.0 A
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	shielded
Shield connection	Shield on the housing

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Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1|CAS 115-86-6 (Lead|TPP-Triphenyl Phosphat)
SCIP number	e72aa14b-9ca8-40ce-a4d9-26ea26181f06

Cable data - Structure of the cable

Cable type	Ethernet
Cross section	4 x AWG 22
Sheath material	PUR
Single-lead insulation	polyolefin
Single-lead structure	7 x 0.34 mm
Cable color	green

Cable data - Mechanical properties

Bending radius, fixed cable	≥ 5 x Ø
Bending radius, moving cable	≥ 15 x Ø
Bending cycles	> 10 x Ø (2 million)
Permitted acceleration	2 m/s²
Travel distance, horizontal	at 5 m/s² -> 5 m
Travel distance, vertical	at 5 m/s² -> 5 m
Travel speed	≤ 200 m/min (5 m horizontal distance)

Cable data - Thermal properties

Temperature range cable in move from/to	-20 °C / 60 °C
Temperature range cable fixed from/to	-40 °C / 80 °C

Cable data - Other features

Halogen free	yes

Classifications

eCl@ss 11.1	27-06-03-11
ETIM 9.0	EC002638

Trade-Compliance

Copper (9903.78.01)	0.016862 kg

Product data sheet

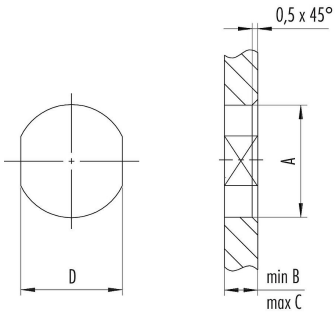
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Assembly instructions / Panel cut-out

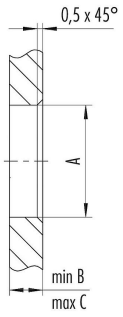
1st Installation proposal

With flats as anti-rotation device



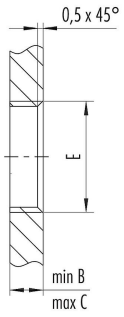
2nd Installation proposal

With bore hole



3rd Installation proposal

With thread to screw in



thread E	A	B	C	D
M8 x 1	8,1	2,0	3,5	7,1
M10 x 0,75	10,1	2,0	6,5	9,1
M12 x 1	12,1	2,5	4,5	10,0

Tightening torque 1 Nm

Product data sheet

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Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".

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