Product data sheet

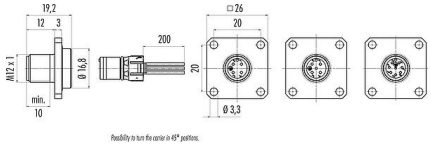
Automation technology - Sensors and actuators

Product description	**M12 Square male panel mount connector, Contacts: 5, unshielded, single wires, IP69k, IP68, IP67, UL 2238, M3 (4x), Front mounting, Square housing 26 mm, Positionable coding alignment**
Area	**M12-A**
Coding	**A-coded**
Series	**763**
Part no.	**99 3443 116 05**

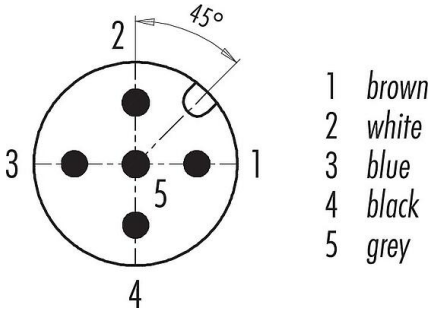
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 3443 116 05
Connector design	Square male panel mount connector
Type standard	DIN EN 61076-2-101
Coding	A-coded
Wire length	0.2 m (Standard 0.2 m. Other lengths are available on request).
Version	Connector pin straight
Connector locking system	screw
Termination	single wires
Degree of protection	IP69k, IP68, IP67
Connection cross-section	0.25 mm² / AWG 24
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	25.78
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	1500 V
Rated current	4 A (3 A UL)
Pollution degree	3
Overvoltage category	II
Insulating material group	II
EMC compliance	unshielded

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Material

Housing material	CuZn (Brass nickel plated)
Contact body material	PA black
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	0c3e31ed-3b8e-4805-b7c5-61f3d2de9bf0

Authorization/approvals

Approvals	UL 2238

Assembly instructions

Assembly:

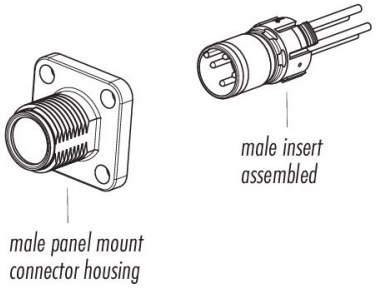
1. Insert the male insert in the desired position into the housing until it snaps into place.

Disassembly:

1. Press detent lever.
2. At the same time press out the contact body from the mating side with a suitable tool, without damaging the contacts.

Note:

Do not pull on the single wires during disassembly!

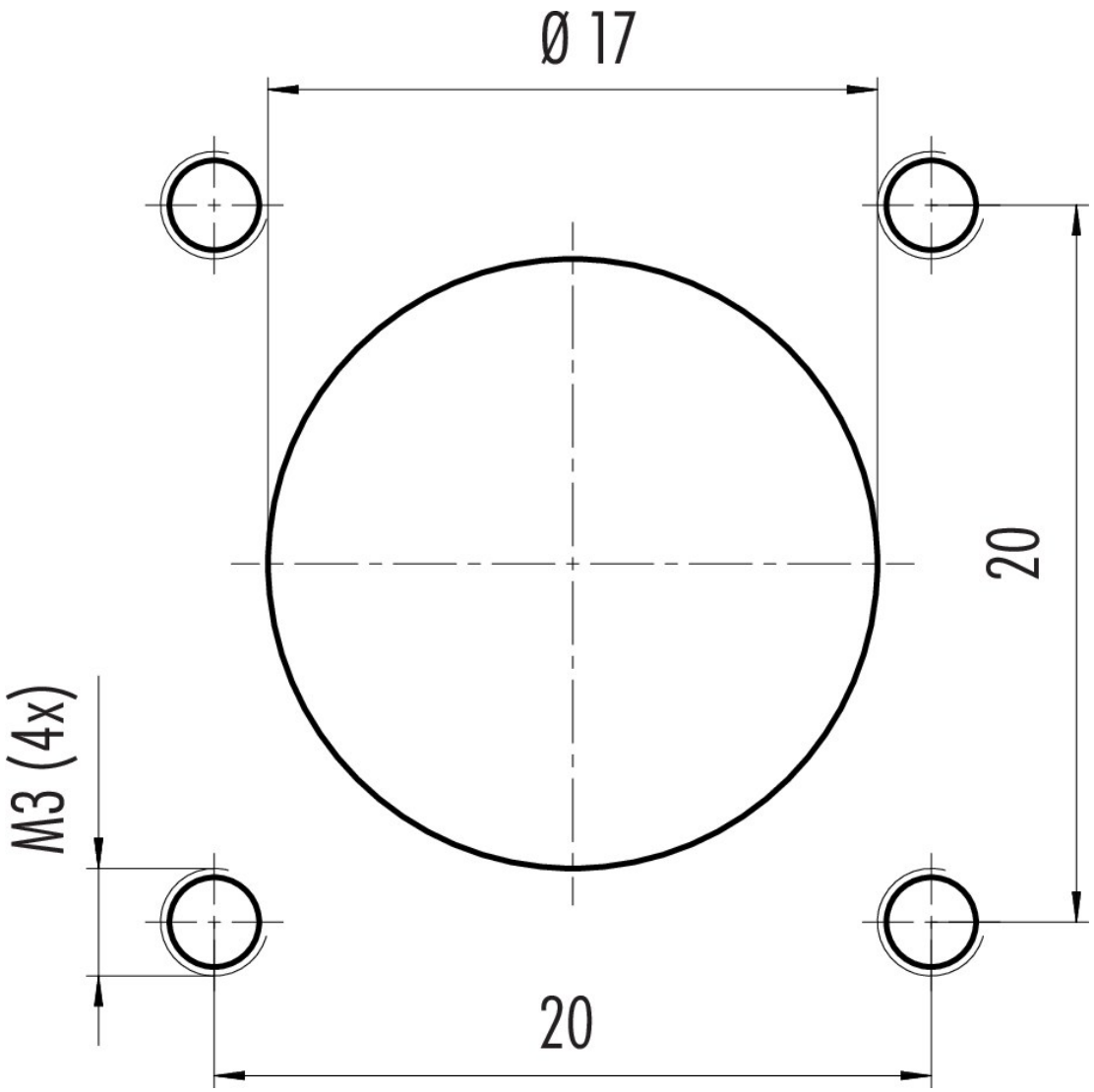


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Assembly instructions / Panel cut-out



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.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

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. 60 cNm).

The protection class specification applies on condition that the four mounting holes are made as blind holes.