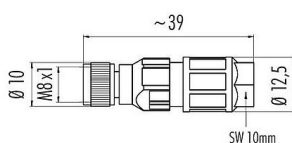


Product description	M8 Female cable connector, Contacts: 3, 2.5-5.0 mm, unshielded, IDC, IP67, UL
Area	series 768
Part no.	99 3400 500 03

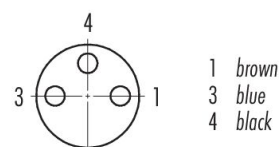
## Illustration



## Scale drawing



## Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

## Technical data

### General features

Part no.	99 3400 500 03
Connector design	Female cable connector
Type standard	DIN EN 61076-2-104
Version	Connector socket straight
Connector locking system	screw
Termination	IDC
Degree of protection	IP67
Cross-sectional area	0.08-0.25 mm <sup>2</sup> / AWG 28-24
Cable outlet	2.5-5.0 mm
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	4.53
Customs tariff number	85366990
Country of Origin	DE

### Electrical parameters

Rated voltage	30 V
Rated impulse voltage	1500 V
Rated current	4.0 A
Pollution degree	3
Overvoltage category	III
Insulating material group	III
EMC compliance	unshielded

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Material

Housing material	PA
Contact body material	TPU
Contact material	CuSn (bronze)
Contact plating	Au (gold)
Locking material	Zinc die-cast nickel-plated
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

Approvals	UL
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Classifications

eCl@ss 11.1	27-44-01-02
ETIM 9.0	EC002635

Declarations of conformity

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

Diagram illustrating the assembly of the M8 Female cable connector. The diagram shows the connector housing, the cable, and the contact pins. Key dimensions and specifications are provided:

- Cable length: 40 mm
- Contact diameter:  $\varnothing$  2,5-5,2 mm
- Wire gauge: 0,08-0,25 mm<sup>2</sup> (AWG 28-24) and 0,25-0,5 mm<sup>2</sup> (AWG 24-20)
- Core-Ø incl. insulation: 0,75-1,5 mm
- Material of core insulation: PVC/PE/PP/rubber
- Design of wire acc.to VDE 0295/smallest wire-Ø of cores: class 2-6
- Termination frequency: 10

Assembly steps shown:

- Strip the cable jacket to the required length (40 mm).
- Strip the individual wire insulation to the required length.
- Insert the stripped wires into the corresponding contact pins.
- Secure the top cap with a torque of 0,2 Nm.
- Secure the bottom cap with a torque of 0,6 Nm.

Diameter of single wire:  
0,08-0,25 mm<sup>2</sup>  
0,25-0,50 mm<sup>2</sup>

Wire gauge	0,08-0,25 mm <sup>2</sup> (AWG 28-24)	0,25-0,5 mm <sup>2</sup> (AWG 24-20)
Core-Ø incl. insulation	0,75-1,5 mm	
Material of core insulation	PVC/PE/PP/rubber	
Design of wire acc.to VDE 0295/ smallest wire-Ø of cores	class 2-6	
Termination frequency	10	

Product description	<b>M8 Female cable connector, Contacts: 3, 2.5-5.0 mm, unshielded, IDC, IP67, UL</b>
Area	<b>series 768</b>
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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.

The plug connector is not suitable for mains voltages 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).