Product data sheet

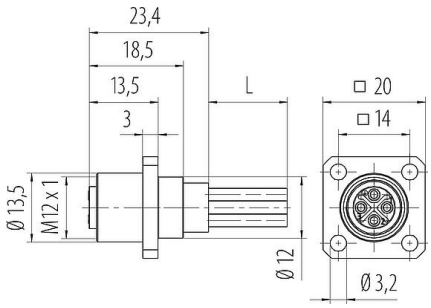
Automation technology - Voltage and Power Supply

Product description	**M12 Square female panel mount connector, Contacts: 4, unshielded, single wires, IP40, UL 2238, M3 (4x), Front mounting, potted**
Area	**M12-S**
Coding	**S-coded**
Series	**814**
Part no.	**76 2942 0136 00034-0200**

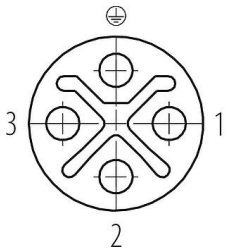
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



1 *black*
2 *black*
3 *black*
PE *yellow/green*

You can find the assembly instructions on the next page.

Technical data

General features

Part no.	76 2942 0136 00034-0200 Alternative part no.: 09 0692 070 04
Notice	Please note that, due to the change from the old to the new order number, there may be deviations in the technical specifications. For questions about product details, please use the 'Contact Customer Service' form on the right.
Connector design	Square female panel mount connector
Type standard	DIN EN IEC 61076-2-111:2018-10;VDE 0687-76-2-111:2018-10
Coding	S-coded
Wire length	0.2 m (Standard 0.2 m. Other lengths are available on request).
Version	Connector socket straight
Connector locking system	screw
Termination	single wires
Degree of protection	IP40 IP67 with seal, see accessories
Connection cross-section	1.50 mm² / AWG 16
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	27.02
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	630 V
Rated impulse voltage	6000 V
Rated current	12.0 A
Pollution degree	3

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Overvoltage category	III
Insulating material group	II
EMC compliance	unshielded

Material

Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	1c137063-29a4-4d89-85c8-6e03b385fc6b

Wire Data - Structure of the wire

Cross section (mm²)	4 x 1.50 mm²
Cross section (AWG)	4 x AWG 16
Wire diameter	2,3 mm
Wire colors	yellow/green black
Sheath material	mPPE
Wire material	Cu (tinned)
Wire structure	40 x 0.210 mm

Wire Data - Electrical properties

Rated voltage	1000 V
Rated impulse voltage	3000 V
Wire resistance	14,6 Ω/Km (20°C)
Insulation resistance	20.0 MΩ/Km (20 °C)

Wire Data - Thermal properties

Temperature range wire in move from / to (°C)	-10 °C / 105 °C
Temperature range wire fixed from / to (°C)	-40 °C / 105 °C

Authorization/approvals

Approvals	UL 2238

Classifications

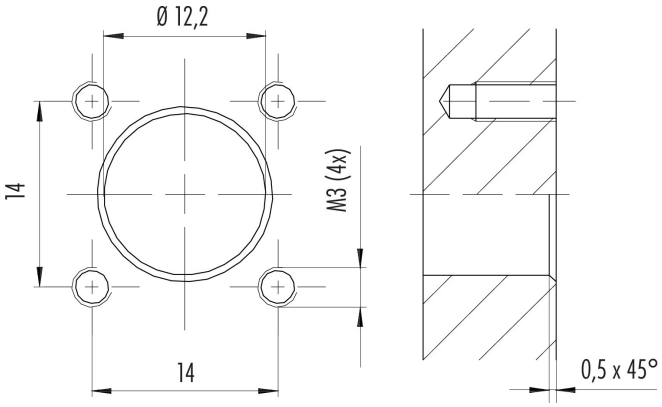
eCl@ss 11.1	27-44-01-09
ETIM 9.0	EC003569

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Assembly instructions / Panel cut-out



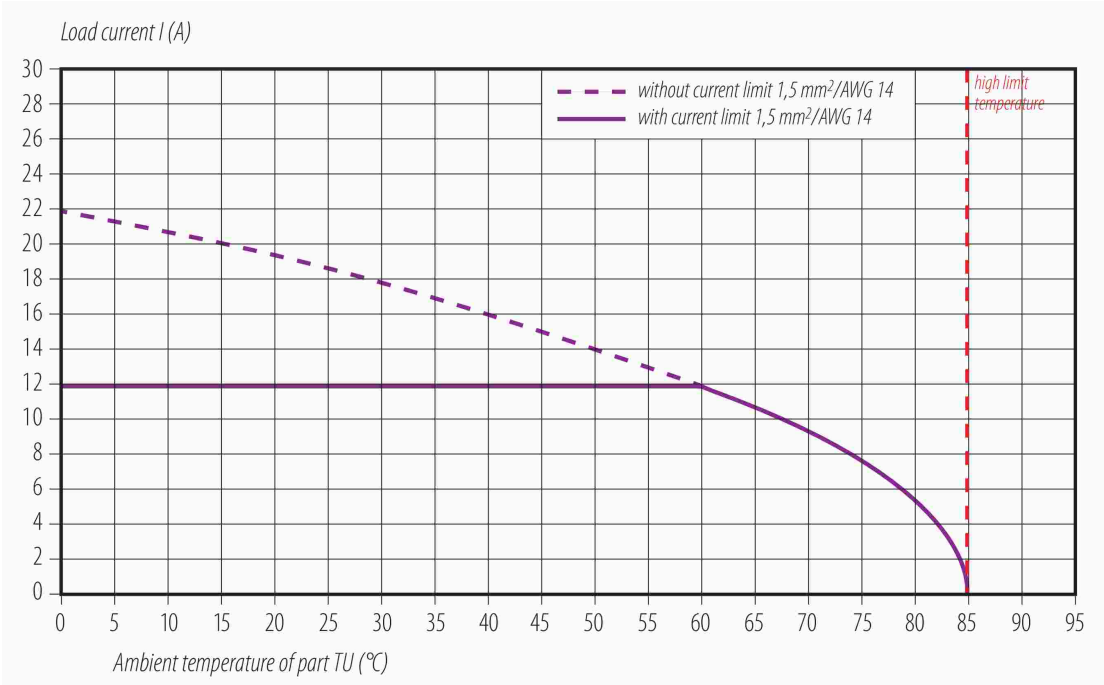
Voraussetzungen für Schutzart IP67:

1. Verwendung von Dichtung, Best.-Nr. 16 0959 000
2. Gewinde M3 (4x) als Gewindesacklöcher oder Schraubenköpfe abgedichtet

Requirements for Degree of protection IP67:

1. *Use of sealing, Ordering-No. 16 0959 000*
2. *M3 thread (4x) sealed as a threaded blind holes or screw heads*

Derating curve



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. 60 cNm).

In the case of cable connectors with a metal threaded ring, it is imperative to ensure a connection with the PE protective contact of the appliance connector. Connecting cables between appliance connectors that are not connected to the PE contact are not permitted. The user must ensure a continuous connection of the protective earth conductor.