Product data sheet

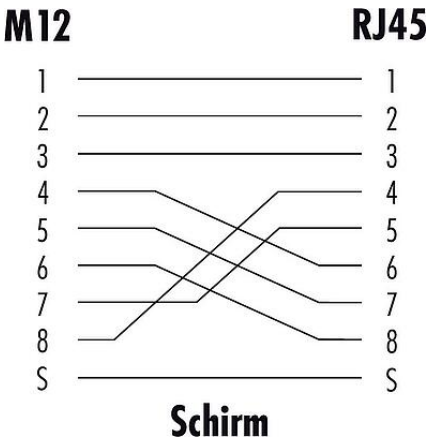
Automation technology - Data transmission

Product description	**M12 Lead-through for control cabinet, female connector - RJ45 straight, Contacts: 8, shielded, pluggable, IP67, UL, Rear mounting**
Area	**M12-X**
Coding	**X-coded**
Series	**825**
Part no.	**09 5287 00 08**

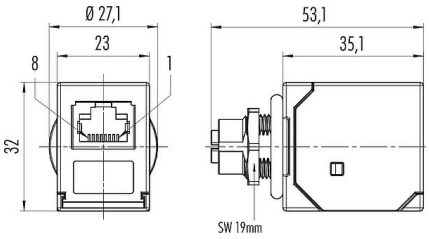
Illustration (may vary)



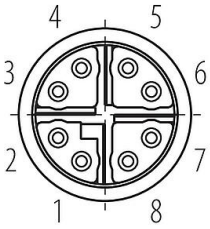
Pin assignment plans



Scale drawing



Contact arrangement (Plug-in side)



1 *white-orange*
2 *orange*
3 *white-green*
4 *green*
5 *white-brown*
6 *brown*
7 *white-blue*
8 *blue*

shield on housing

Technical data

General features

Part no.	09 5287 00 08
Connector design	Lead-through for control cabinet, female connector - RJ45 straight
Coding	X-coded
Version	Lead-through for control cabinets
Connector locking system	screw
Termination	pluggable
Degree of protection	IP67 IP20
Temperature range from/to	-40 °C / 85 °C

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Mechanical operation	> 100 Mating cycles
Weight (g)	32.83
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	50 V (AC) / 60 V (DC)
Rated impulse voltage	800 V
Rated current	0.5 A
Insulation resistance	> 10^{8} Ω
Pollution degree	3
Transmission rate	CAT 6A
Overvoltage category	II
Insulating material group	III
EMC compliance	shielded

Material

Housing material	Brass nickel-plated / Zinc die-cast nickel-plated
Contact body material	PA
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	9b303f9a-9985-4354-9779-b41b68e97169

Authorization/approvals

Approvals	UL

Classifications

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

Declarations of conformity

RoHS Directive	EN IEC 63000:2018

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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).