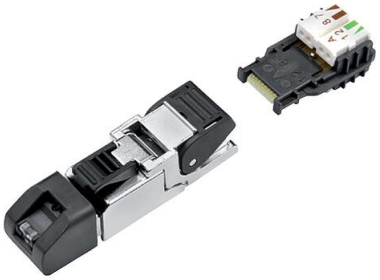
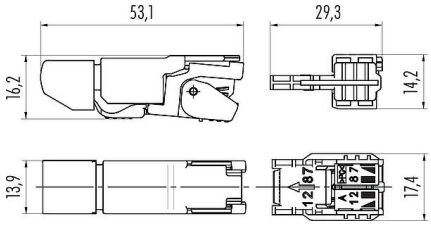
Product data sheet
Automation technology - Data transmission

Product description	**RJ45 connector, Contacts: 8, 5.0-9.0 mm, shieldable, Piercing technology, IP20, UL**
Area	**RJ45**
Coding	**X-coded**
Series	**825**
Part no.	**99 9687 810 08**

Illustration (may vary)



Scale drawing



Technical data

General features

Part no.	99 9687 810 08
Connector design	connector
Coding	X-coded
Version	Connector pin straight
Connector locking system	lock
Termination	Piercing technology
Degree of protection	IP20
Connection cross-section	AWG 24-22/1, AWG 27-22/7
Cable outlet	5.0-9.0 mm
Temperature range from/to	-25 °C / 85 °C
Mechanical operation	> 750 Mating cycles
Connection standard	TIA 568A AWG 27 - 22
Weight (g)	21.00
Customs tariff number	85369010

Electrical parameters

Rated voltage	50 V
Rated impulse voltage	800 V
Rated current	1.3 A
Pollution degree	2
Transmission rate	CAT 6A
Overvoltage category	III
Insulating material group	IIIa
EMC compliance	shieldable
Shield connection	Shield clamping

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Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PC
Contact material	Spring steel
Contact plating	Au (gold)
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

Approvals	UL

Classifications

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

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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).