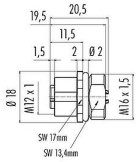
Product data sheet

Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 4, solder, IP67, UL 2238, M16x1.5, Front mounting**
Area	**M12-D**
Coding	**D-coded**
Series	**876**
Part no.	**86 0236 0002 00404**

Illustration

Scale drawing



Technical data

General features

Part no.	86 0236 0002 00404
Connector design	Female panel mount connector
Type standard	DIN EN 61076-2-101
Coding	D-coded
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Connection cross-section	0.14-0.25 mm² / AWG 22/AWG 24
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 100 Mating cycles
Weight (g)	9.37
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	250 V
Rated impulse voltage	2500 V
Rated current	2 A (0.14 mm²)/4 A
Insulation resistance	≤ 3 mΩ
Pollution degree	3
Overvoltage category	II
Insulating material group	II

Product data sheet

Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 4, solder, IP67, UL 2238, M16x1.5, Front mounting**
Area	**M12-D**
Coding	**D-coded**
Series	**876**
Part no.	**86 0236 0002 00404**

Material

Housing material	Zinc die-cast nickel-plated
Contact body material	PA66 (UL94 V0)
Contact material	CuSn (bronze)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	87915a0c-ae38-4bd3-a592-1645b9aa024f

Authorization/approvals

Approvals	UL 2238

Classifications

ETIM 9.0	EC003569

Product data sheet

Automation technology - Data transmission

Product description	**M12 Female panel mount connector, Contacts: 4, solder, IP67, UL 2238, M16x1.5, Front mounting**
Area	**M12-D**
Coding	**D-coded**
Series	**876**
Part no.	**86 0236 0002 00404**

General Disclaim Notice

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).