

Illustration



Technical drawing of a 10-hole circular plate. The plate has an outer diameter of 13,8 mm. The hole pattern is defined by a 3x3 grid of circles with a pitch of 10 mm. The central hole is missing, and the hole at the bottom center is also missing, leaving 10 holes in total. The dimensions are as follows:

- Outer diameter: 13,8 mm
- Grid pitch: 10 mm
- Grid dimensions: 9 mm (width), 9 mm (height)
- Central hole diameter: 5,45 mm
- Grid hole diameter: 3 mm
- Plate thickness: 8,2 mm
- Top hole offset: 2,75 mm
- Bottom hole offset: 1,8 mm
- Top hole offset from center: 2,31 mm
- Top hole offset from edge: 1,5 mm
- Bottom hole offset from center: 4,15 mm
- Bottom hole offset from edge: 0,38 mm
- Bottom hole offset from center: 0,11 mm

[illegible]

A circular spinner is divided into 8 equal sectors, numbered 1 through 8. A dashed line indicates a 45-degree angle starting from the top vertical line and passing through sector 1.

General values

Connector design	female panel mount connector
Connector locking system	screw
Termination	reflow soldering
Upper limit temperature	85 °C
Lower limit temperature	-40 °C
Customs tariff number	85369010
Installation height	9

Electrical values

Rated current (40 °C)	1.5 A
Rated voltage	30 V
Rated impulse voltage	800 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Insulation resistance	> 10 ⁸ Ω
EMC compliance	shieldable
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

Material

Contact material	CuSn (bronze)
Contact plating	Au (gold)
Contact body material	LCP
Housing material	CuZn (Brass nickel plated)
REACH SVHC	CAS 7439-92-1 (Lead)

Product description	M12-A female panel mount connector, Contacts: 8, shieldable, reflow soldering, IP67
Area	M12-A series 763
Order number	99 3482 401 08

Security notices

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.

Plug connectors with enclosure protection IP 67 and IP 68 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.