

D6001

SIL3 Pass-Through Module

The Pass-Through D6001 module puts into direct connection the system with the field for a flexible marshalling. It is suitable for applications requiring SIL 3 level in safety related systems for high risk industries. It also provides over-voltage and over-current protections.

FEATURES

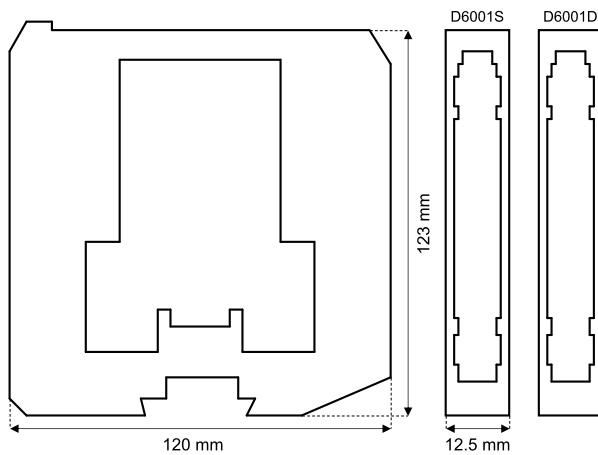
- SIL 3 / SC 3
- Installation in Zone 2/Div. 2
- 2 fully independent channels
- Over-voltage and over-current protections
- High Density, two channels per unit

ORDERING INFORMATION

Ordering codes

D6001S: 1 channel
D6001D: 2 channels

OVERALL DIMENSIONS



TECHNICAL DATA

Input/Output

Voltage rating: 30 V.

Current rating: 0.1 A, with linear derating down to 0.05 A, from 25 to 70 °C.

Max power dissipation: 8.6 mW/17.2 mW (D6001S/D6001D) @ 24 mA, 37.5 mW/75 mW (D6001S/D6001D) @ 50 mA.

Environmental conditions

Operating temperature: temperature limits -40 to +70 °C.

Storage temperature: temperature limits -45 to +80 °C.

Mounting

on custom Term. Board.

Weight: about 100 g.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm² (13 AWG).

Dimensions: Width 12.5 mm, Depth 123 mm, Height 120 mm.

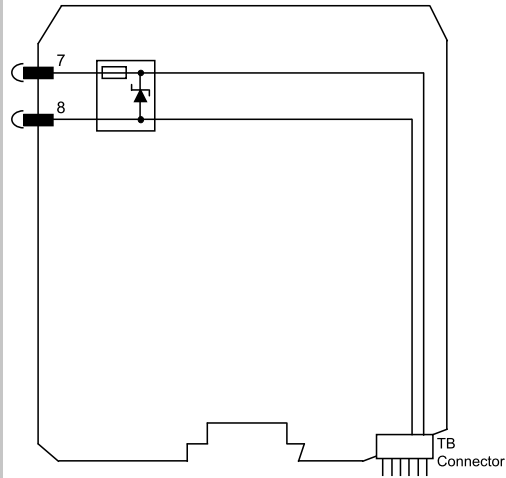
FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

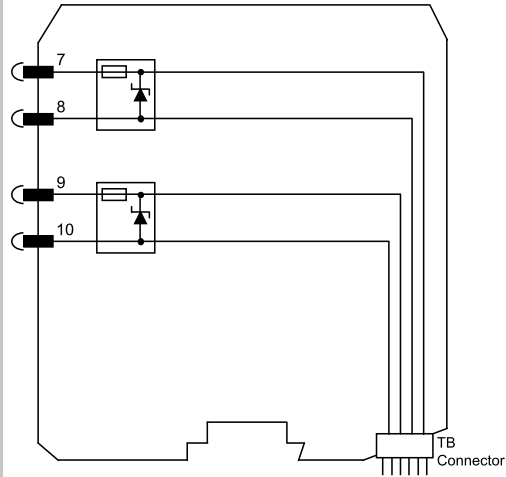
Field

Safe Area/Zone 2/Div. 2

D6001S



D6001D



Functional Safety Management Certification:
GM International is certified to conform to IEC61508:2010 part 1 clauses 5-6 for safety related systems up to and included SIL3. In addition, GM International products have been granted I.S. certificates from the most credited Notified Bodies in the world.

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