

D6003

Relay Out Module for 3 A Loads

The D6003 is a relay module, which makes available a SPDT (Single Pole Double Throw) contact. The load is energized by the power supply of the Termination Board.

FEATURES

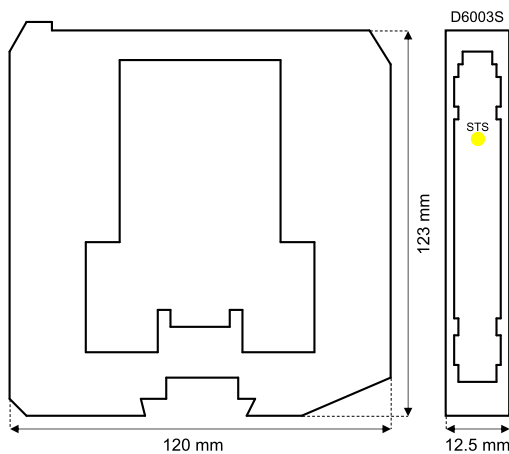
- Installation in Zone 2/Div. 2
- Up to 3 A functional / 6 A inrush current
- Both NO and NC contact available

ORDERING INFORMATION

Ordering codes

D6003S: 1 channel

OVERALL DIMENSIONS



TECHNICAL DATA

Supply

24 Vdc nom (20 to 30 Vdc), from Termination Board.

Input

24 Vdc nom (21.6 to 27.6 Vdc). Relay coils are internally protected with suppressor diodes.

Current consumption: 10 mA @ 24 Vdc, typical.

Power dissipation: 0.24 W @ 24 Vdc, typical.

Output

One voltage free SPDT relay contact: NO contact at terminals 7-8 and NC contact at terminals 9-10.

Terminals 7-8 (NO contact) are open when relay is de-energized, closed in energized relay condition.

Terminals 9-10 (NC contact) are closed when relay is de-energized, open in energized relay condition.

Contact material: Ag Alloy (Cd free), gold plated.

Contact rating: 3 A (resistive load).

Contact min. switching current: 1 mA.

Contact inrush current: 6 A @ 24 Vdc.

Mechanical / electrical life: 5×10^6 / 3×10^4 operation, typical.

Operate / release time: 6 ms / 12 ms, including contact bounce time, typical.

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 mm^2 (13 AWG).

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

FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

