

# D5099

## Relay Out Module for 5 A Loads

The D5099 is a relay module, which makes available a SPDT (Single Pole Double Throw) contact isolated from the input. Compatibility with specific DO cards with pulse testing needs to be verified.

### FEATURES

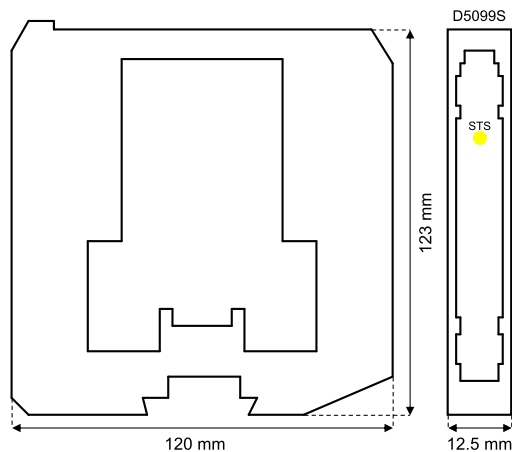
- Installation in Zone 2/Div. 2
- Up to 5 A functional / 6 A inrush current
- Both NO and NC contact available
- Low activation coil current (< 10 mA)
- Input/Output isolation

### ORDERING INFORMATION

#### Ordering codes

D5099S: 1 channel

### OVERALL DIMENSIONS



### TECHNICAL DATA

#### 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

A 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:** 5 A 250 Vac 1250 VA, 5 A 250 Vdc 140 W (resistive load).

**Contact min. switching current:** 1 mA.

**Contact inrush current:** 6 A @ 24 Vdc, 250 Vac.

**DC and AC load breaking capacity:** refer to Instruction Manual.

**Mechanical / electrical life:**  $5 \times 10^6$  /  $3 \times 10^4$  operation, typical.

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

#### Isolation

Output/Input 1.5 kV.

#### 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<sup>2</sup> (13 AWG).

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

FUNCTION DIAGRAM

Additional installation diagrams may be found in Instruction Manual.

