

CSS-P13X/DC5-48V+S10-PI

1 pole | normally open solid state DC | Faston



Main circuit

Output type	MOSFET
Type	Instantaneous
Logic	P-Channel
Output voltage range	5 ... 48 V DC
Recommended minimum contact load	1 mA
Residual current	0.012 mA
Maximum voltage drop	≤ 0.14 V DC
Rated current	6 A
Inrush current	40 A, 10 ms
Rated load DC	360 W
Current derating curve versus operation temperature: fig. 2.	

Control circuit

Nominal voltage	see table product references
Operating voltage range	5 ... 48 V DC
Input voltage range	4.75 ... 60 V DC
Input current	4 mA
Pick-up voltage	5 V DC
Release voltage	< 4.75 V
Power consumption DC	300 mW

Insulation

Test voltage all terminals / DIN rail	2.5 kV rms / 1 min
Test voltage terminal / terminal	2.5 kV rms / 1 min
Overvoltage category	III

Output current

Type	Instantaneous
Logic	P-Channel
Maximum output current	6 A
Minimum output current	1 mA
Output voltage range	5 ... 48 V DC
Residual current	0.1 mA
Maximum voltage drop	≤ 0.14 V DC

General data

Storage temperature (no ice)	-40 ... 80 °C
Operation temperature	-40 ... 60 °C
Pick-up time	0.06 ms
Release time	0.06 ms
Conductor cross section control / main circuit	
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
- Single wire	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
- Multi wire (un-crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 2.5 mm ² / AWG 14
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
- Multi wire (crimped)	2 x 0.34 mm ² / AWG 22 ... 2 x 1.5 mm ² / AWG 16
	Use copper conductors only
	Max. jacket diameter 4.0 mm
	Stripping length 8 mm
Mounting	TH35 (EN 60715)
Weight	61 g
Housing material	PA / PC

Optional Accessories

Retaining clip plastic	S10-CPI (BAG 10 PCS)
A2-Bridge for Sx-PI / Sx-PIR	Sxx-BBPI (BAG 20 PCS)
Multi-operation tool kit	OT-PI kit
Marking strip	BS11-PI (50m tape)
Cable Bridge	BC-78-15-8-BK (BAG 20 PCS), BC-78-15-8-BU (BAG 20 PCS), BC-78-15-8-RD (BAG 20 PCS)

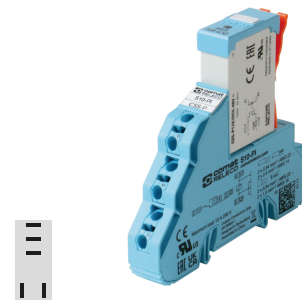


fig. 1. Wiring diagram

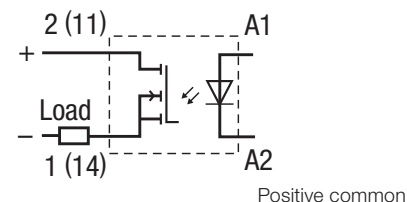
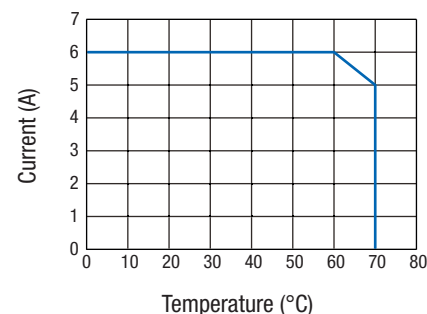


fig. 2. DC derating curve



Technical approvals, conformities

Standards EN 60664-1; EN 60947-4-3; EN 62314

Approvals