

CSS-Z12X/DC5-48V+S10-PI

1 pole | normally open solid state AC | Faston



Main circuit

Output type	TRIAC
Type	Synchronized zero
Output voltage range	24...250 V AC
Recommended minimum contact load	35 mA
Residual current	5 mA
Maximum voltage drop	≤ 1.1 V AC
Rated current	3 A
Inrush current	150 A, 10 ms
Rated limit load I ² t	210 A ² s
Rated load AC	750 VA

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	10 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

General data

Storage temperature (no ice)	-40 ... 80 °C
Operation temperature	-40 ... 60 °C
Pick-up time	10 ms
Release time	10 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 I 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)

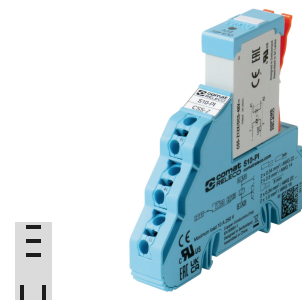


fig. 1. Wiring diagram

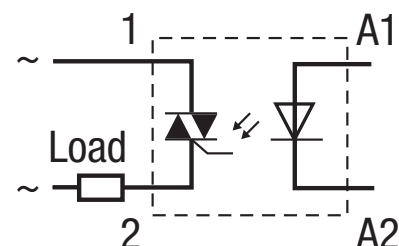
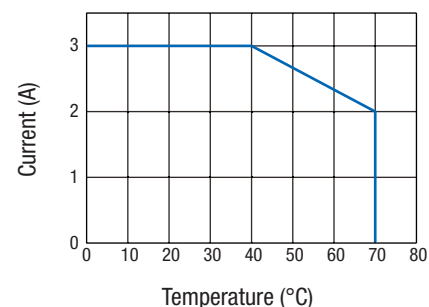


fig. 2. AC derating curve



Technical approvals, conformities

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

Approvals