

PNOZ s6.1 24VDC 3 n/o 1 n/c

750126



PNOZsigma safety relay (standalone), inputs: 2-channel wiring with detection of shorts across contacts, 1 N/O per pushbutton, outputs: 3 N/O, 1 N/C, 1 SC, UB 24 V DC, width: 22.5 mm, plug-in screw terminals, two-hand control relay, simultaneity monitoring with two-hand pushbutton, E-STOP; safety gates.

Technical details

General data

Approval: CCC, CE, UKCA, cULus Listed, KOSHA, TÜV, EAC (Eurasian)

Technical data

Electrical data

Supply voltage (V): 24 - 24 V

Type of supply voltage U1: DC

Power consumption DC: 3.5 W

Max. device circuit breaker: Max. conductor cross section

Type of two-hand device: III A

Inputs

Number of inputs: 2

Semiconductor outputs

Number of semicond. outputs: 1

Utilisation cat. to EN 60947-1: DC-12

Relay outputs

Utilisation cat. AC/DC1 stand.: EN 60947-4-1

Voltage AC1 safety cont.: 240 V

Max. current AC1 safety cont.: 6 A

Voltage DC1 safety cont.: 24 V

Max. current DC1 safety cont.: 6 A

Utilisation cat. AC15/DC13sta.:	EN 60947-5-1
Voltage AC15 safety cont.:	230 V
Max. current AC15 safety cont.:	5 A
Voltage DC13 safety cont.:	24 V
Safety contacts: AC at UL:	240 VAC G.U. (same polarity)
Relay contact material:	AgCuNi
Addit. contact details relay:	+ 0.2 µm Au
Environmental data	
Climatic suitability to ...:	EN 60068-2-78
Ambient temperature:	-10 - 55 °C
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Not permitted
EMC to standard ...:	EN 60947-5-1, EN 61000-6-2, EN 61000-6-4, EN 61326-3-1
Vibration to standard ...:	EN 60068-2-6
Clearance & creepage dist. to:	EN 60947-1
Overvoltage category:	III / II
Pollution degree clear.&creep.:	2
Mechanical data	
Mounting position:	any
Housing material lower section:	PC
Housing material front plate:	PC
Housing material upper part:	PC
Connection terminal:	Screw terminal
Terminal style:	plug-in
Flex. cond. c/s AWG info:	24 - 12 AWG
Height dimension:	98 mm
Width dimension:	22.5 mm
Depth dimension:	120 mm
Net weight:	185 g

Gross weight:	195 g
Environment	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27371821
ETIM Version:	ETIM-7.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001452

Optional accessories

750010

PNOZ s terminator plug (10 pieces)



750004

PNOZ s Setscrew terminals 22,5mm

