PILZ
THE SPIRIT OF SAFETY

PNOZ s4.1 48-240VACDC 3 n/o 1 n/c 750154



PNOZsigma safety relay (standalone), inputs: 1/2-channel wiring with/ without detection of shorts across contacts, outputs: 3 N/O,1 N/C, 1 SC, UB = 48 - 240 V AC/DC, width: 22.5 mm, plug-in screw terminals, monitoring of E-STOP, safety gates.

Technical details

General data	
Approval:	CE, CCC, UKCA, cULus Listed, KOSHA, TÜV, EAC (Eurasian)
Technical data	
Electrical data	
Supply voltage (V):	48 - 240 V
Type of supply voltage U1:	AC/DC
Power consumption AC:	5 VA
Power consumption DC:	2.5 W
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.:	1.5 A
Voltage DC1 safety cont.:	24 V
Max. current DC1 safety cont.:	4 A
Utilisation cat. AC15/DC13sta.:	EN 60947-5-1

Voltage AC15 safety cont.:	230 V
Max. current AC15 safety cont.:	0.6 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 - 60 °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:	210 g
Gross weight:	220 g

Environment	
RoHS except.s acc. to direct.:	34, 7a, 7c I
REACh compliance:	contains min. 1 SVHC-substance
WEEE classifikation (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85364900
UNSPSC 25:	39122331
EAN-Code:	4046548054224
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27371819
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001449
Volume:	0.324 dm3

Optional accessories



750010 PNOZ s terminator plug (10 pieces)



750004 PNOZ s Setscrew terminals 22,5mm



750910 PNOZ s nIE



750900 PNOZ s pIE