

PNOZ s5 48-240VACDC 2 n/o 2 n/o t

750135



PNOZsigma safety relay (standalone), inputs: 1/2-channel wiring with/without detection of shorts across contacts, manual/automatic start, outputs: 2 N/O, 2 N/O t-d ($t = 0.04 - 300 \text{ s}$), 1 SC, UB = 48 - 240V AC/DC, width: 22.5 mm, plug-in screw terminals, monitoring of E- STOP, safety gates, light curtains.

Technical details

General data	
Approval:	CCC, CE, UKCA, cULus Listed, KOSHA, EAC (Eurasian), TÜV
Technical data	
Electrical data	
Supply voltage (V):	48 - 240 V
Type of supply voltage U1:	AC/DC
Power consumption AC:	8 VA
Power consumption DC:	4 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.:	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.:	3 A
Voltage DC13 safety cont.:	24 V
Safety contacts: AC at UL:	240 VAC G.U. (same polarity)
Safety contacts: pilot duty:	R300, B300
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
Times	
Selectable times:	0.8 s, 0.4 s, 0.2 s, 0.3 s, 15 s, 2.5 s, 1.5 s, 25 s, 35 s, 0.5 s, 0.6 s, 7 s, 6 s, 3 s, 5 s, 4 s, 210 s, 150 s, 0.1 s, 0.04 s, 8 s, 80 s, 90 s, 60 s, 20 s, 50 s, 30 s, 40 s, 16 s, 1 s, 2 s, 70 s, 0.7000000000000001 s, 100 s, 120 s, 200 s, 300 s, 140 s, 160 s, 3.5 s, 180 s, 14 s, 240 s, 12 s, 10 s
Tolerance Tv:	+/-1 % + +/-20 ms
Repetition accuracy:	+/-1 % + +/-20 ms
Tolerance in event of error:	+/-15 % + +/-20 ms
Max. delay time formula:	tv + 15 % + 20 ms
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:	250 g
Gross weight:	260 g
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	no
REACH compliance:	Contains no SVHC substances
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27371819
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001449
UNSPSC 25:	39122331
GTIN:	4046548025590
Volume:	0.324 dm3
Harmonized System Code:	85364900
Type of tariff number:	TARIC
Use of customs tariff number:	Ausfuhr, Einfuhr
Quantity per packaging unit:	1

Optional accessories

	750010	PNOZ s terminator plug (10 pieces)
	750004	PNOZ s Setscrew terminals 22,5mm
	750910	PNOZ s nIE
	750900	PNOZ s pIE