

PNOZ s5 24VDC 2 n/o 2 n/o t

750105



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 s), 1 SC, UB = 24 V DC, width: 22.5 mm, plug-in screw terminals, monitoring of E-STOP, safety gates, light curtain.

Technical details

General data	
Approval:	CCC, CE, UKCA, cULus Listed, KOSHA, EAC (Eurasian), TÜV
Technical data	
Electrical data	
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
Power consumption DC:	4
Inputs	
Number of inputs:	2
Semiconductor outputs	
Number of semicond. outputs:	1
Utilisation cat. to EN 60947-1:	P_GEBRAUCHSKATEGORIE_DC-12
Relay outputs	
Utilisation cat. AC/DC1 stand.:	P_SCHALTVERMOEGEN_NACH_EN 60947-4-1
Voltage AC1 safety cont.:	240
Max. current AC1 safety cont.:	6
Voltage DC1 safety cont.:	24
Max. current DC1 safety cont.:	6
Utilisation cat. AC15/DC13sta.:	P_SCHALTVERMOEGEN_13_NACH_EN 60947-5-1
Voltage AC15 safety cont.:	230

Max. current AC15 safety cont.:	3
Voltage DC13 safety cont.:	24
Safety contacts: AC at UL:	P_SCHALT_SI_AC_UL_U_B_240 V AC G.U. (same polarity)
Safety contacts: pilot duty:	P_SCHALT_SI_UL_PD_R300, P_SCHALT_SI_UL_PD_B300
Relay contact material:	P_KONT_MAT_AgCuNi
Addit. contact details relay:	P_KONT_MAT_ZUSATZ_+ 0,2 µm Au
Environmental data	
Climatic suitability to ...:	P_KLIMA_EN 60068-2-78
Ambient temperature:	-10 - 55 °C
Humidity rating:	P_FEUCHTE_WERT_93 % r. F. bei 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
Protection type, housing:	IP40
Times	
Selectable times:	0.8, 0.4, 0.2, 0.3, 15, 1.5, 2.5, 25, 35, 0.5, 0.6, 7, 6, 3, 4, 5, 210, 150, 0.1, 0.04, 8, 80, 90, 60, 20, 50, 30, 40, 16, 1, 2, 70, 0.7000000000000001, 100, 120, 300, 200, 140, 160, 14, 180, 3.5, 12, 240, 10
Tolerance Tv:	+/-1 % + +/-20 ms
Repetition accuracy:	P_ZEIT_WIEDERHOL_+/-1 % + +/-20 ms
Tolerance in event of error:	P_ZEIT_TOLERANZ_FEHLER_+/-15 % + +/-20 ms
Max. delay time formula:	P_VERZOEGERNGSZEIT_MAX_FORMEL_tv + 15 % + 20 ms
Mechanical data	
Mounting position:	any
Housing material lower section:	P_GEHAEUSE_MAT_U_PC
Housing material front plate:	P_GEHAEUSE_MAT_F_PC

Housing material upper part:	PC
Connection terminal:	Screw terminal
Terminal style:	plug-in
Flex. cond. c/s AWG info:	P_QUER_1L_AWG_24 - 12 AWG
Height dimension:	98 mm
Width dimension:	22.5 mm
Depth dimension:	120 mm
Net weight:	235 g
Gross weight:	245 g
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	34, 7a, 6c, 7c I
REACH compliance:	contains min. 1 SVHC-substance
REACH included substances:	Lead, Lead oxide
%-part of the pollutant:	> 0,1
CAS No.:	7439-92-1, 1317-36-8
SCIP entry available:	yes
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:	4046548025668
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



750004

PNOZ s Setscrew terminals 22,5mm



750010

PNOZ s terminator plug (10 pieces)



750900

PNOZ s pIE



750910

PNOZ s nIE