

PNOZ s30 24-240VACDC 2 n/o 2 n/c

750330



PNOZsigma safety relay (standalone), inputs: incremental encoder, proximity switch, outputs: 2 N/O, 2 N/C, UB: 24 -240 V AC/DC, width: 45 mm, monitoring of standstill, speed, speed range, position, direction, analogue voltage (track S), display handling push & turn, plug-in screw terminals, expansion with PNOZsigma contact expansion.

Technical details

General data	
Approval:	CCC, CE, UKCA, cULus Listed, EAC (Eurasian), TÜV
Technical data	
Electrical data	
Supply voltage (V):	24 - 240 V
Type of supply voltage U1:	DC
Power consumption AC:	9
Power consumption DC:	5.5
Supply voltage U2:	48 - 240 V
Type of supply voltage U2:	AC
Max. device circuit breaker:	P_GERAETEABSICH_MAX_Max-Leiterquerschnitt
Input proximity switch	
Prog. mon.fun. wo hyst prox sw:	P_NS_F_UEBERWACH_PROGR_OHNE_HY_10 mHz - 1.000 kHz
Input incremental encoder	
Number of incremental encoder:	1, 1
Connection (increment encoder):	P_IG_ANSCHLUSS_RJ-45-Buchsenstecker, 8polig
Phase pos. diff.sign. inc. enc.:	P_IG_EIN_PHASE_DIFF_SIGNALE_90° ±30°
Prog. mon. fun. wo hyst. incr.:	P_IG_F_UEBERWACH_PROGR_OHNE_HY_10 mHz - 1.000 kHz
Reset input	
Semiconductor inputs:	4

Analogue outputs	
Number of analogue outputs:	1
Type of analogue outputs:	P_AUSGANG_ANALOG_ART_Strom
Signal range analog output:	P_AUS_ANA_SIGNAL_BEREICH_4 .. 20 mA, P_AUS_ANA_SIGNAL_BEREICH_0 .. 20 mA
Semiconductor outputs	
Number of semicond. outputs:	4
Tolerance ext. volt. DC S/C:	P_HALBL_TOLERANZ_UB_EXT_DC_-20 %/+20 %
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.:	4
Voltage DC1 safety cont.:	24
Max. current DC1 safety cont.:	4
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)
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:	-20 - 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 61000-6-3, EN 61326-3-1
Vibration to standard ...:	EN 60068-2-6

Clearance & creepage dist. to:	EN 60947-1
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type, housing:	IP30
Times	
Reaction time over limit value:	P_VERZ_GRENZWERT_1/f_ist + 16 ms
Mechanical data	
Mounting position:	horizontal on top hat rail
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:	45 mm
Depth dimension:	120 mm
Net weight:	405 g
Gross weight:	425 g
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	7a, 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:	27371811
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001448
UNSPSC 25:	39121527
GTIN:	4046548062397
Volume:	0.600 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)



750014 PNOZ s Set3screw terminals 45mm



750030 PNOZsigma Chip Card-manager set



750031 SmartCardCommander with SIM-card-adapter





750040

PNOZ s30 USB-configuration-cable (1,5m)



773840

PNOZ msi1Ap Adapter Si/He 25/25 2,5m



773841

PNOZ msi1Bp Adapter Si/He 25/25 2,5m



773842

PNOZ msi3Ap Adapter Si/He 15/15 2,5m



773843

PNOZ msi3Bp Adapter Si/He 15/15 2,5m



773845

PNOZ msi b4 Box



773846

PNOZ msi19p Adapter Elau PACDrive3 1,5m



773847

PNOZ msi19p Adapter Elau PACDrive3 2,5m



773854

PNOZ msi10p Adapter Cable 2,5m



773855

PNOZ msi11p Adapter Cable 1,5m



773856

PNOZ msi9p Adapter Cable 5,0m



773857

PNOZ msi5p Adapter Bos/Rex 15/15 2,5m



773858

PNOZ msi5p Adapter Bos/Rex 15/15 1,5m



773859

PNOZ msi6p Adapter Elau 9/9 7,5m



773860

PNOZ msi6p Adapter Elau 9/9 2,5m



773861

PNOZ msi6p Adapter Elau 9/9 1,5m



773862

PNOZ msi8p Adapter Lenze 9/9 2,5m



773864

PNOZ msi7p Adapter SEW 15/15 2,5m



773865

PNOZ msi7p Adapter SEW 15/15 1,5m



773867

PNOZ msi16p Adapter Baumuell 15/15 2,5m



773868

PNOZ msi12p Rockwell 15/15 2,5m



773869

PNOZ msi13p Fanuc 20/20 2,5m



773870

PNOZ msi S09



773871

PNOZ msi S15



773872

PNOZ msi S25



773874

PNOZ msi15p Adapter Tendo 15/15 2,5m



773875

PNOZ msi17p Bos/Rex 15/15 5,0m



773879

PNOZ msi20p Parker HD 15/15 2,5m



773880

PNOZ msi b1 Box 15p



773881

PNOZ msi b0 cable 15/RJ45



773882

PNOZ msi b1 Box 9p



773883

PNOZ msi b1 Box 25p



773884

PNOZ msi b0 cable 25/RJ45



779200

PNOZmulti Chipcard Set 10 piece 8KB



779201

PNOZmulti Chipcard 1 piece 8kb



779211

Chipcard 1 piece 32kB



779212

PNOZmulti Chipcard Set 10 pieces 32kB



779230

PNOZ Chip Card Reader



779240

PNOZmulti Chipcard Holder (Sparepart)



779250

PNOZmulti Seal 12 pieces