

PNOZ s60 24-48VACDC 3n/o 1n/c 6so

750600



PNOZsigma voltage monitoring relay up to PL e and SIL CL 3, UB = 24 - 48 V AC/DC, outputs: 3 N/O, 1 N/C, 6 auxiliary outputs, width: 90 mm, plug-in screw terminals, expansion with PNOZsigma contact expansions.

Technical details

General data

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

Technical data

Electrical data

Purpose of U1: Device supply

Supply voltage (V): 24 - 48 V

Type of supply voltage U1: AC/DC

Power consumption AC: 10.2

Power consumption DC: 7.5

Measuring circuit

Meas. circ. frequ. range (Hz): 50, 60

Inputs

Number of inputs: 6

Semiconductor outputs

Number of semicond. outputs: 6

Tolerance ext. volt. DC S/C: P_HALBL_TOLERANZ_UB_EXT_DC_-20 %/+20 %

Semiconductor outputs (standard)

Galv. isol. n/safe SC O: P_HI_HLA_TRENNUNG_GALVAN_ja

Short circ. prot. n/safe S/C O: P_HI_HLA_KURZSCHLUSSFEST_ja

Signal level at 1 n/safe S/C O: P_HI_HLA_SIGNALPEGEL_HIGH_UB - 2,5 V DC bei 0,05 A

Relay outputs	
Utilisation cat. AC/DC1 stand.:	P_SCHALTVERMOEGEN_NACH_EN 60947-4-1
Voltage AC1 safety cont.:	250
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_250 V AC G.U. (same polarity)
Safety contacts: pilot duty:	P_SCHALT_SI_UL_PD_R300, B300 for NO contact only
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 60068-2-2, P_KLIMA_EN 60068-2-1, P_KLIMA_EN 60068-2-78, P_KLIMA_EN 60068-2-14
Ambient temperature:	-10 - 55 °C
Humidity rating:	P_FEUCHTE_WERT_93 % r. F. bei 40 °C
Condensation permitted?:	Not permitted
EMC to standard ...:	EN 60255-26, EN 61326-3-1
Vibration to standard ...:	EN 60255-21-1
Test severity class vibration:	P_PRUEFSCHAERFEKLASSE_SCHWING_Klasse 1
Test severity class shock:	P_PRUEFSCHAERFEKLASSE_SCHOCK_Klasse 1
Earthquake to standard 1:	P_ERDBEBEN_NORM_1_EN 60255-21-3
Test severity class earthquake:	P_PRUEFSCHAERFEKLASSE_ERDBEBEN_Klasse 0
Test severity class cont.shock:	P_PRUEFSCHAERFEKLASSE_D_SCHOCK_Klasse 1
Clearance & creepage dist. to:	EN 60255-27
Overvoltage category:	III

Pollution degree clear.&creep.:	2
Protection type, housing:	IP20
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:	90 mm
Depth dimension:	120 mm
Net weight:	670 g
Gross weight:	680 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:	27371801

ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001438
UNSPSC 25:	39122205
GTIN:	4046548086119
Volume:	0.884 dm3
Harmonized System Code:	85364900
Type of tariff number:	TARIC
Use of customs tariff number:	Ausfuhr, Einfuhr
Quantity per packaging unit:	1