

PNOZ s60 100-240VACDC 3n/o 1n/c 6so

750601



PNOZsigma voltage monitoring relay, for applications up to PL e and SIL CL 3, UB = 100 - 240 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, TÜV, EAC (Eurasian)

Technical data

Electrical data

Purpose of U1: Device supply

Supply voltage (V): 100 - 240 V

Type of supply voltage U1: AC/DC

Power consumption AC: 10.5 VA

Power consumption DC: 8 W

Measuring circuit

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

Inputs

Number of inputs: 6

Semiconductor outputs

Number of semicond. outputs: 6

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

Semiconductor outputs (standard)

Galv. isol. n/safe SC O: Yes

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

Signal level at 1 n/safe S/C O: UB - 2.5 VDC at 0.05 A

Relay outputs	
Utilisation cat. AC/DC1 stand.:	EN 60947-4-1
Voltage AC1 safety cont.:	250 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:	250 VAC G.U. (same polarity)
Relay contact material:	AgCuNi
Addit. contact details relay:	+ 0.2 µm Au
Environmental data	
Climatic suitability to ...:	EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 60068-2-14
Ambient temperature:	-10 - 55 °C
Humidity rating:	93 % r. h. at 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:	Class 1
Test severity class shock:	Class 1
Earthquake to standard 1:	EN 60255-21-3
Test severity class earthquake:	Class 0
Test severity class cont.shock:	Class 1
Clearance & creepage dist. to:	EN 60255-27
Overvoltage category:	III
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:	90 mm
Depth dimension:	120 mm
Net weight:	655 g
Gross weight:	665 g
Environment	
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85364900
UNSPSC 25:	39122205
EAN-Code:	4046548086126
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27371801
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000019
ETIM Reference Feature:	EC001438
Volume:	0.857 dm ³