

Extension module - PSR-SCP- 24UC/URM/5X1/2X2 - 2963747

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Universal safety relay with forcibly guided contacts, 5 N/O contacts, 2 N/C contacts, single-channel, plug-in terminal blocks with screw connection, width: 22.5 mm

Product Features

- Like all PSR safety relays, equipped with forcibly guided contacts according to EN 50205
- Single-channel control



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	200.0 GRM
Custom tariff number	85371099
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Input data

Nominal input voltage U_N	24 V AC/DC
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Input data

Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	47 mA
Typical response time	20 ms
Typical release time	20 ms
Status display	Green LED

Output data

Contact type	5 N/O contacts
	2 N/C contacts
Contact material	AgSnO ₂ , + 0.2 µm Au
Minimum switching voltage	15 V AC/DC
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Inrush current, minimum	25 mA
Maximum inrush current	6 A
Sq. Total current	$72 \text{ A}^2 (I_{TH}^2 = I_1^2 + I_2^2 + \dots + I_5^2)$
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0 \text{ ms}$)
	288 W (48 V DC, $\tau = 0 \text{ ms}$)
	110 W (110 V DC, $\tau = 0 \text{ ms}$)
	88 W (220 V DC, $\tau = 0 \text{ ms}$)
	1500 VA (250 V AC, $\tau = 0 \text{ ms}$)
Maximum interrupting rating (inductive load)	42 W (24 V DC, $\tau = 40 \text{ ms}$)
	42 W (48 V DC, $\tau = 40 \text{ ms}$)
	42 W (110 V DC, $\tau = 40 \text{ ms}$)
	42 W (220 V DC, $\tau = 40 \text{ ms}$)
Switching capacity min.	0.4 W
Output fuse	6 A fast blow
	C6 (24 V AC/DC) automatic device

General

Relay type	Electromechanically forcibly guided, dust-proof relay.
Mechanical service life	Approx. 10^7 cycles
Mounting type	DIN rail mounting
Degree of protection	IP20
Min. degree of protection of inst. location	IP54
Mounting position	any
Stop category	0
Designation	Air and creepage distances between the power circuits

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General

Standards/regulations	DIN EN 50178/VDE 0160
	EN 50205
Rated surge voltage / insulation	4 kV / basic insulation
Rated insulation voltage	250 V
Pollution degree	2
Surge voltage category	III

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	7 mm
Screw thread	M3
Connection method	Screw connection

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371901
eCl@ss 5.1	27371901
eCl@ss 6.0	27371819
eCl@ss 7.0	27371819
eCl@ss 8.0	27371819

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC001449
ETIM 4.0	EC001449
ETIM 5.0	EC001449

UNSPSC

UNSPSC 6.01	30211901
UNSPSC 7.0901	39121501

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Classifications

UNSPSC

UNSPSC 11	39121501
UNSPSC 12.01	39121501
UNSPSC 13.2	39121501

Approvals

Approvals

Approvals

UL Listed / GOST / cUL Listed / UL Listed / GOST / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

GOST

cUL Listed

UL Listed

GOST

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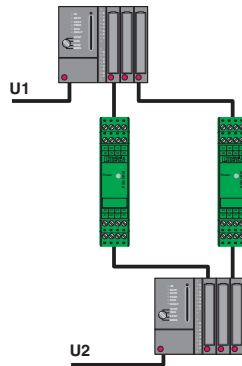
Approvals

cUL Listed

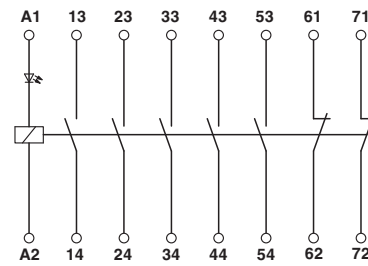
cULus Listed

Drawings

Application drawing



Circuit diagram



Reliable signal exchange between two systems with confirmation function.