

Extension module - PSR-SCP- 24UC/URM/3X1/3X2 - 2981839

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Universal safety relay with positively driven contacts, 3 N/O contacts, 3 N/C contacts, 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

package_quantity	1
GTIN	4046356138604

Technical data

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
Input voltage range in reference to U_N	0.85 ... 1.1
Typical input current at U_N	45 mA
Typical response time	15 ms
Typical release time	15 ms

Output data

Contact type	3 N/O contacts
Contact type	3 N/C contacts
Contact material	AgSnO ₂
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	15 V AC/DC

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Technical data

Output data

Limiting continuous current	6 A (N/O contact)
Limiting continuous current	6 A (N/C contact)
Maximum inrush current	6 A
Inrush current, minimum	25 mA
Sq. Total current	$48 \text{ A}^2 (I_{TH}^2 = I_1^2 + I_2^2 + \dots + I_N^2)$
Interrupting rating (ohmic load) max.	144 W (24 V DC, $\tau = 0 \text{ ms}$)
Interrupting rating (ohmic load) max.	288 W (48 V DC, $\tau = 0 \text{ ms}$)
Interrupting rating (ohmic load) max.	77 W (110 V DC, $\tau = 0 \text{ ms}$)
Interrupting rating (ohmic load) max.	88 W (220 V DC, $\tau = 0 \text{ ms}$)
Interrupting rating (ohmic load) max.	1500 VA (250 V AC, $\tau = 0 \text{ ms}$)
Maximum interrupting rating (inductive load)	48 W (24 V DC, $\tau = 40 \text{ ms}$)
Maximum interrupting rating (inductive load)	40 W (48 V DC, $\tau = 40 \text{ ms}$)
Maximum interrupting rating (inductive load)	35 W (110 V DC, $\tau = 40 \text{ ms}$)
Maximum interrupting rating (inductive load)	33 W (220 V DC, $\tau = 40 \text{ ms}$)
Switching capacity min.	0.4 W
Output fuse	10 A gL/gG NEOZED (N/O contact)
Output fuse	4 A gL/gG NEOZED (N/C contact)

General

Relay type	Electromechanically forcibly guided, dust-proof relay.
Mechanical service life	Approx. 10^7 cycles
Mounting position	Any
Stop category	0
Name	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178/VDE 0160
Rated surge voltage / insulation	4 kV / Basic isolation (safe isolation, reinforced insulation and 6 kV between the input circuit and the output (13/14, 23/24, 33/34).)
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

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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	EC001449
ETIM 3.0	EC001449
ETIM 4.0	EC001449
ETIM 5.0	EC001449

UNSPSC

UNSPSC 6.01	30211901
UNSPSC 7.0901	39121501
UNSPSC 11	39121501
UNSPSC 12.01	39121501
UNSPSC 13.2	39121501

approvals

UL Listed / GOST / cUL Listed / cULus Listed /

Approval details

UL Listed

GOST

cUL Listed

cULus Listed

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Drawings

Circuit diagram

