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Universal safety relay positively driven contact, 3 N/O contacts, 3 N/C contacts, plug-in terminal blocks with spring-cage connection, width: 22.5 mm

The figure shows a version with a screw connection

Product Features

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





Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	160.0 GRM
Custom tariff number	85364900
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	112 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



Technical data

Input data

Typical response time	15 ms
Typical release time	15 ms
Status display	Green LED

Output data

3 N/O contacts
3 N/C contacts
AgSnO ₂
15 V AC/DC
250 V AC/DC
6 A (N/O contact)
6 A (N/C contact)
25 mA
6 A
$48 A^{2} (I_{TH}^{2} = I_{1}^{2} + I_{2}^{2} + + I_{N}^{2})$
144 W (24 V DC, τ = 0 ms)
288 W (48 V DC, τ = 0 ms)
77 W (110 V DC, τ = 0 ms)
88 W (220 V DC, τ = 0 ms)
1500 VA (250 V AC, т = 0 ms)
24 V DC, τ = 40 ms
48 V DC, т = 40 ms
110 V DC, τ = 40 ms
220 V DC, τ = 40 ms
0.4 W
10 A gL/gG NEOZED (N/O contact)
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 type	DIN rail mounting
Degree of protection	IP20
Min. degree of protection of inst. location	IP54
Mounting position	any
Designation	Air and creepage distances between the power circuits
Standards/regulations	DIN EN 50178/VDE 0160



Technical data

General

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 mm²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	8 mm
Connection method	Spring-cage 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	EC001449
ETIM 3.0	EC001449
ETIM 4.0	EC001449
ETIM 5.0	EC001449

UNSPSC

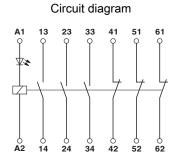
UNSPSC 6.01	30211901
UNSPSC 7.0901	39121501
UNSPSC 11	39121501
UNSPSC 12.01	39121501
UNSPSC 13.2	39121501

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Approvals
Approvals
Approvals
UL Listed / GOST / cUL Listed / cULus Listed
Ex Approvals
Approvals submitted
Approval details
UL Listed (II)
GOST C
cUL Listed **
cULus Listed **

Drawings





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