

Single relay - REL-PR1-110DC/1/MB - 2908044

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Plug-in high-power relay with power contacts, specifically for switching high DC loads, 1 N/O contact, blowout magnet, coil voltage: 110 V DC

The figure shows version REL-PR1-24DC/1/MB

Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 266770
Weight per Piece (excluding packing)	88.9 g
Custom tariff number	85364900
Country of origin	Poland

Technical data

Dimensions

Width	38.6 mm
Height	45.5 mm
Depth	36.1 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Coil side

Nominal input voltage U_N	110 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	15 mA
Typical response time	20 ms
Typical release time	15 ms

Contact side

Contact type	1 N/O contact
Type of switch contact	Single contact
Contact material	AgNi

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Technical data

Contact side

Maximum switching voltage	440 V AC
	350 V DC
Minimum switching voltage	5 V (At 24 mA)
Min. switching current	5 mA (at 24 V)
Maximum inrush current	50 A (20 ms)
	30 A (4 s)
Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	768 W (at 48 V DC)
	930 W (at 60 V DC)
	1650 W (at 110 V DC)
	2640 W (at 220 V DC)
	4000 VA (for 250 V AC)
Switching capacity min.	120 mW
Switching capacity in acc. with DIN VDE 0660/IEC 60947	1 A (at 220 V, DC13)
	1.5 A (at 240 V, AC15)

General

Test voltage relay winding/relay contact	2.5 kV
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 2×10^7 cycles
Degree of pollution	3
Overvoltage category	III
Designation	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any

Standards and Regulations

Degree of pollution	3
Overvoltage category	III
Designation	Standards/regulations
Standards/regulations	IEC 61810

Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601

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Classifications

eCl@ss

eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Accessories

Accessories

Relay socket

Single relay - REL-PR1-110DC/1/MB - 2908044

Accessories

Relay socket - RIF-4-BPT/3X21 - 2900961



RIF-4... relay base, for high-power relay with 2 or 3 PDTs or 3 N/O contacts, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5