

Single relay - REL-PR1-230AC/1/MB - 2908047

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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: 230 V AC

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

RoHS

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	80.000 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	230 V AC
Input voltage range in reference to U_N	see diagram
Mains frequency	50 Hz
	60 Hz
Typical input current at U_N	12 mA

Single relay - REL-PR1-230AC/1/MB - 2908047

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Coil side

Typical response time	5 ms ... 25 ms (depending on phase relation)
Typical release time range	5 ms ... 18 ms (depending on phase relation)

Contact side

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

Rated surge voltage	4 kV
Degree of pollution	3
Overvoltage category	III

Single relay - REL-PR1-230AC/1/MB - 2908047

Technical data

Standards and Regulations

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
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

Single relay - REL-PR1-230AC/1/MB - 2908047

Approvals

Approval details

EAC 7500651.22.01.00244

Accessories

Additional products

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