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Single relay - REL-MR-120AC/21-21/MS - 2987969

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The figure shows the 230 V version.

Plug-in miniature relay, with power contact, 2 PDTs, test button, mechanical switch position indicator, status LED, coil voltage 120 V AC

Why buy this product

- With detectable manual operation
- Mechanical switch position indicator
- DC types with integrated freewheeling diode
- Switching current of up to 16 A
- Integrated status LED

Key Commercial Data

Packing unit	10 STK
Minimum order quantity	10 STK
GTIN	4 046356 480970

Technical data

Dimensions

Width	12.7 mm
Height	29 mm
Depth	25 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	120 V AC
Typical input current at U_N	7 mA
Typical response time	3 ms ... 12 ms (depending on phase relation)
Typical release time range	2 ms ... 8 ms (depending on phase relation)

Contact side

Contact type	2 PDT

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Technical data

Contact side

Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Min. switching current	10 mA (at 12 V)
Maximum inrush current	16 A (20 ms)
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	2000 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	1 A (at 24 V, DC13)
	1.5 A (at 24 V, AC15)
	1.5 A (at 120 V, AC15)
	1.5 A (at 240 V, AC15)

General

Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2.5 kV AC (50 Hz, 1 min.)
Mechanical service life	5 x 10^6 cycles
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103

Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	DIN EN 61810-1
	VDE 0435-201
	EN 50178
	IEC 62103

Classifications

eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC000196

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Classifications

ETIM

ETIM 3.0	EC000196
ETIM 4.0	EC000196
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

UL Recognized / VDE Zeichengenehmigung / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

VDE Zeichengenehmigung

cUL Recognized

EAC

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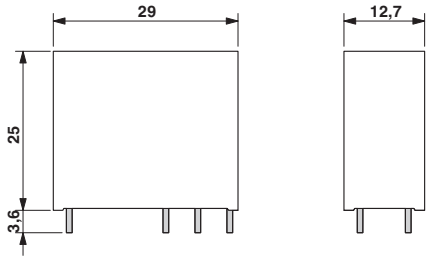
Approvals

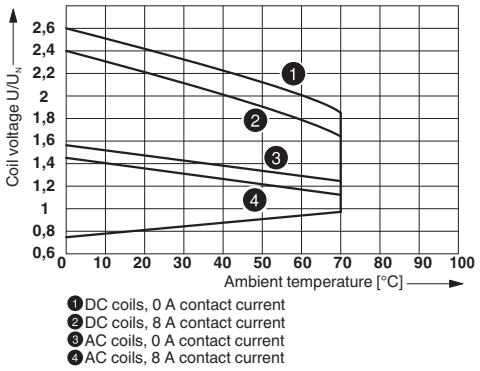
cULus Recognized

Drawings

Dimensional drawing



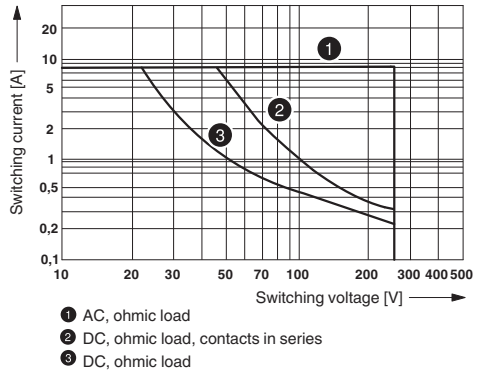
Diagram



❶ DC coils, 0 A contact current
❷ DC coils, 8 A contact current
❸ AC coils, 0 A contact current
❹ AC coils, 8 A contact current

Operating voltage range

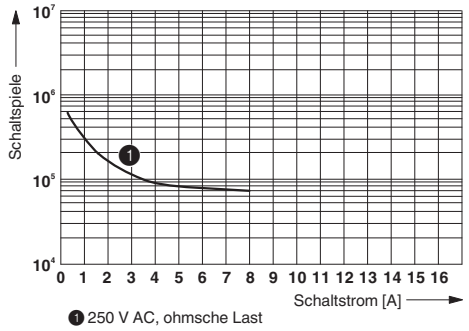
Diagram



❶ AC, ohmic load
❷ DC, ohmic load, contacts in series
❸ DC, ohmic load

Interrupting rating

Diagram



❶ 250 V AC, ohmsche Last

Electrical service life

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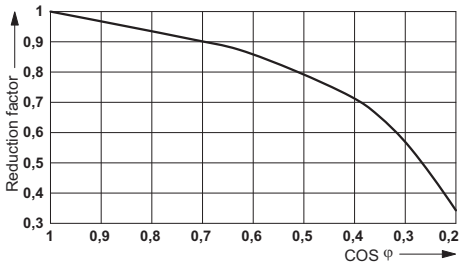
Diagram



Service life reduction factor with various cos phi

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To access the product, click on the green button.

Product	Code	Reference	Product link
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