

Single relay - REL-MR-230AC/21HC/MS - 2987914

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Plug-in miniature relay, with power contact, 1 PDT, test button, mechanical switch position indicator, status LED, input voltage 230 V AC

Product Features

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

Key commercial data

package_quantity	10
GTIN	4046356481045

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	230 V AC
Nominal input current at U_{IN}	3.5 mA
Typical release time range	2 ms ... 8 ms (depending on phase relation)

Contact side

Contact type	Single contact, 1-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Maximum inrush current	32 A (20 ms)
Min. switching current	10 mA (at 12 V)

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Technical data

Contact side

Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	4000 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	3 A (at 24 V, AC15)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	3 A (at 120 V, AC15)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	3 A (at 240 V, AC15)

General

Test voltage relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
Mechanical service life	5 x 10 ⁶ cycles
Standards/regulations	DIN EN 61810-1
Standards/regulations	VDE 0435-201
Standards/regulations	EN 50178
Standards/regulations	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	27371001

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

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

approvals

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

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approvals

Approval details

UL Recognized

VDE Zeichengenehmigung

Nominal voltage UN	
Nominal current IN	
mm ² /AWG/kcmil	

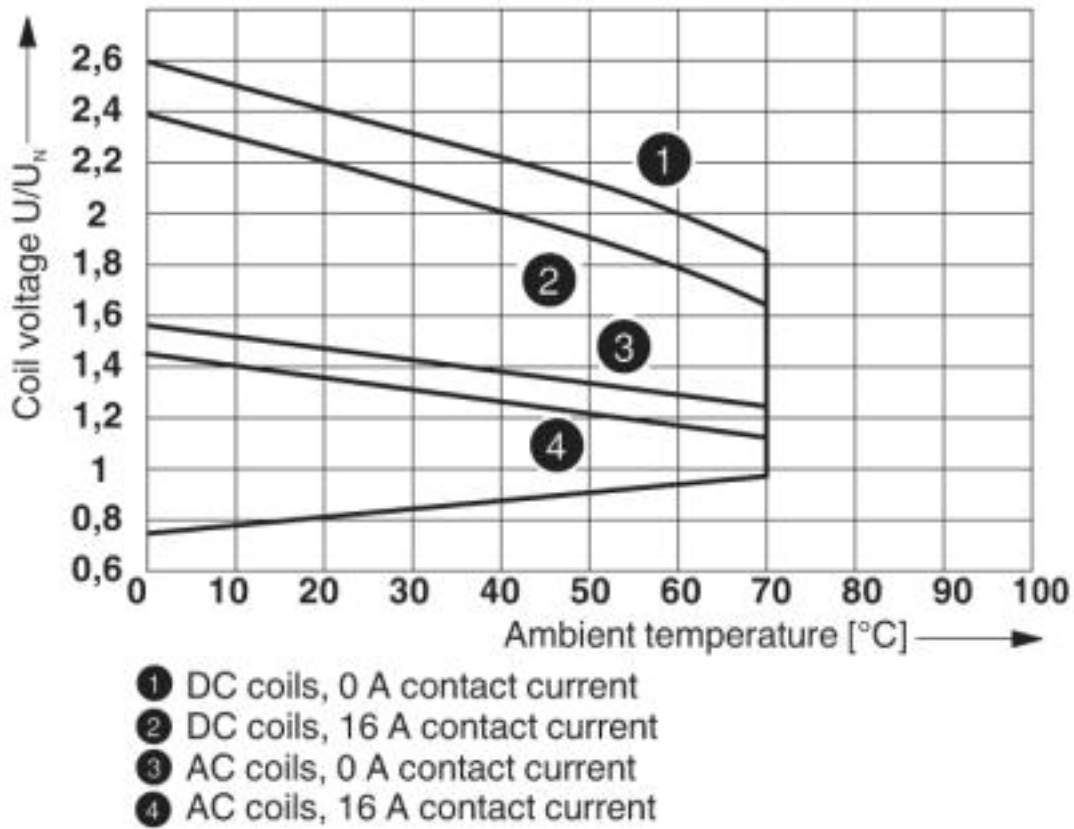
cUL Recognized

cULus Recognized

Drawings

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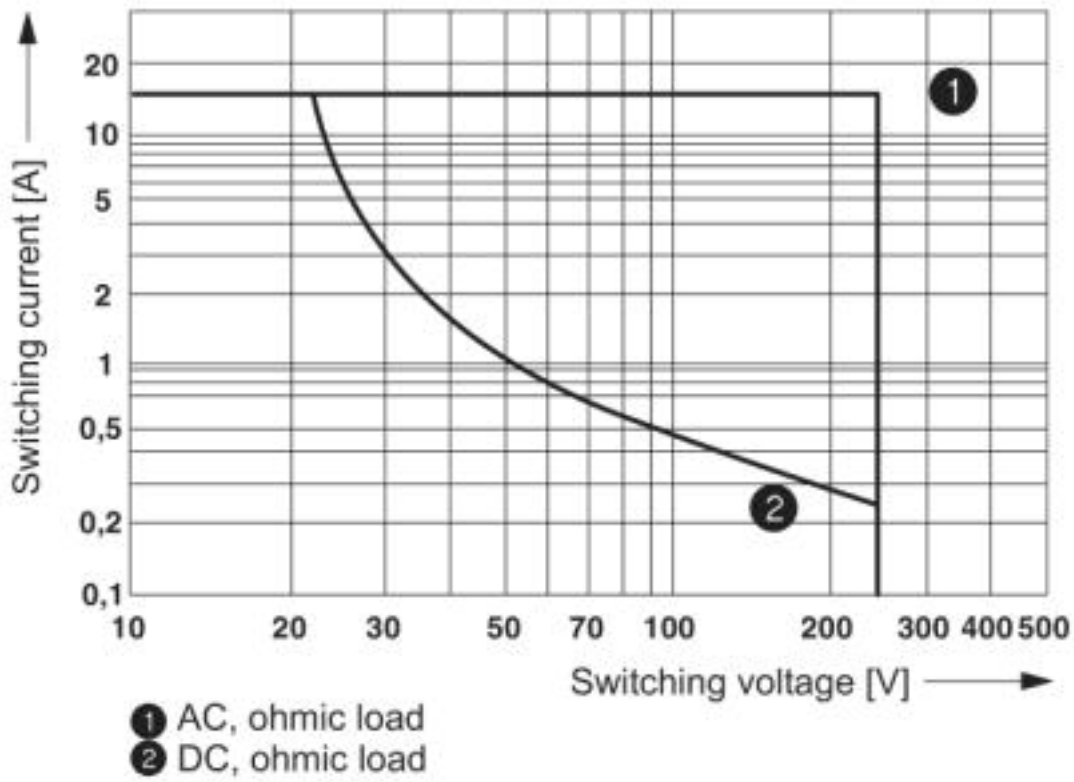
Diagram



Operating voltage range

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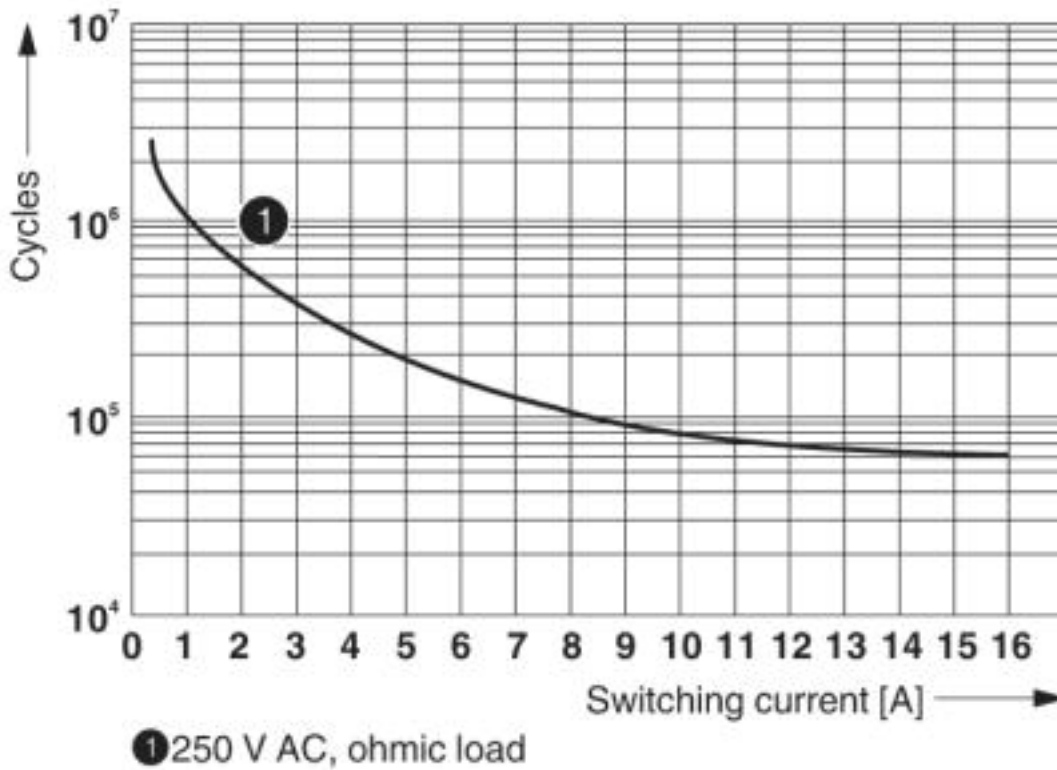
Diagram



Interrupting rating

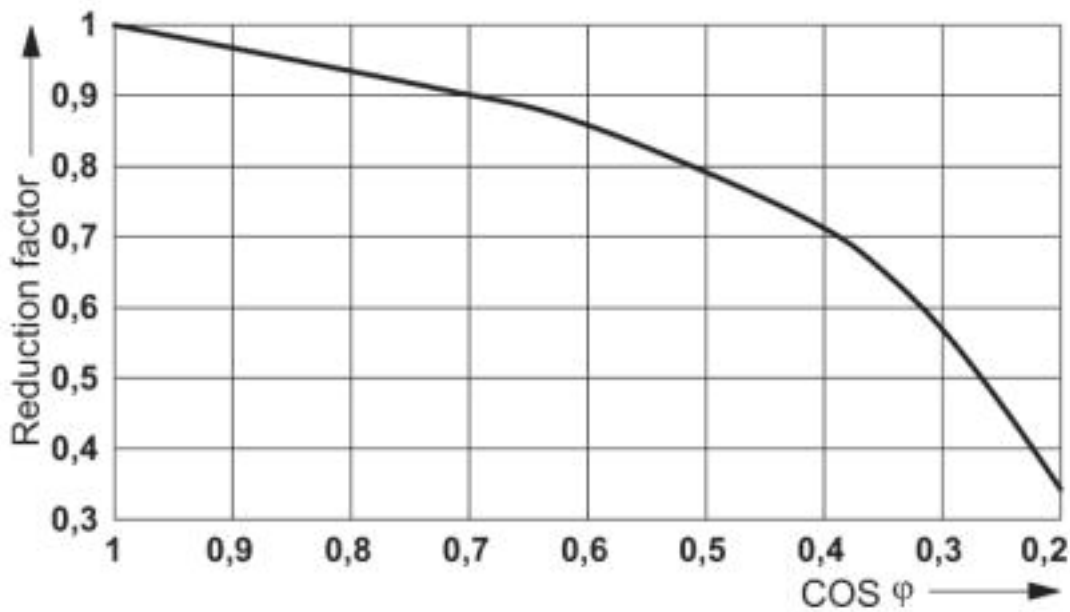
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Diagram



Electrical service life

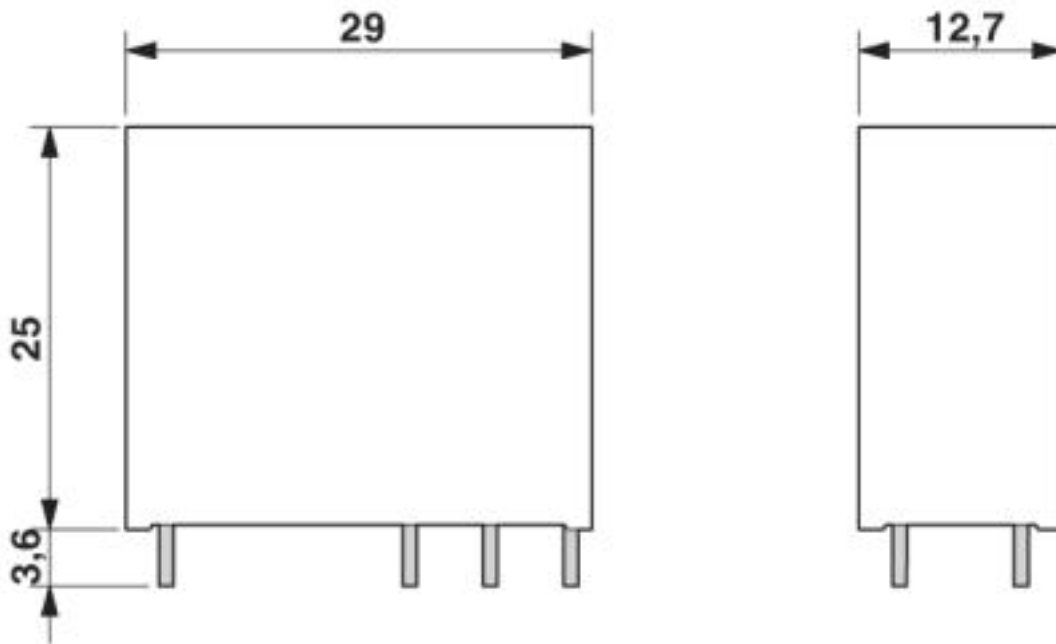
Diagram



Service life reduction factor with various cos phi

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Dimensioned drawing



Circuit diagram

