


Single relay - REL-IR-BL/L-220DC/4X21 - 1109562

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Plug-in industrial relay in basic design with power contacts, 4 changeover contacts, test button, status LED, mechanical switch position indicator, polarity A1+, A2-, input voltage: 220 V DC

Key Commercial Data

Packing unit	10 pc
GTIN	 4 063151 021832
GTIN	4063151021832
Weight per Piece (excluding packing)	29.900 g
Custom tariff number	85364900
Country of origin	Austria

Technical data

Note

Type of note	Notes on operation
Note	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
Type of note	Notes on operation
Note	The outputs are not suitable for switching different outer conductors.
Type of note	Notes on operation
Note	Do not use to separate SELV / PELV circuits from other circuits, because safe isolation is not guaranteed.

Dimensions

Width	22.5 mm
Height	28 mm
Depth	35.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Maximum altitude	≤ 2000 m
Degree of protection	RT II
	≥ IP54 (Installation location)

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Coil side

Nominal input voltage U_N	220 V DC
Typical input current at U_N	3.4 mA
Typical response time	15 ms
Typical release time	10 ms
Coil voltage	220 V DC
Status display	Yellow LED
Coil resistance	64.5 k Ω \pm 15 %

Contact side

Contact type	4 PDTs
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (10 mA)
Min. switching current	10 mA (12 V)
Maximum inrush current	12 A (20 ms, N/O contacts)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (24 V DC)
	130 W (48 V DC)
	90 W (60 V DC)
	66 W (110 V DC)
	88 W (220 V DC)
	1500 VA (250 V AC)
Switching capacity min.	120 mW

General

Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Test voltage PDT/PDT	2 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	3x 10 ⁷ cycles
Service life, electrical	see diagram
Mounting position	any
Assembly instructions	In rows with zero spacing

Standards and Regulations

Designation	Air clearances and creepage distances between coil and contact side
Standards/regulations	EN 61810-1
Rated insulation voltage	250 V AC
Rated surge voltage	5 kV
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

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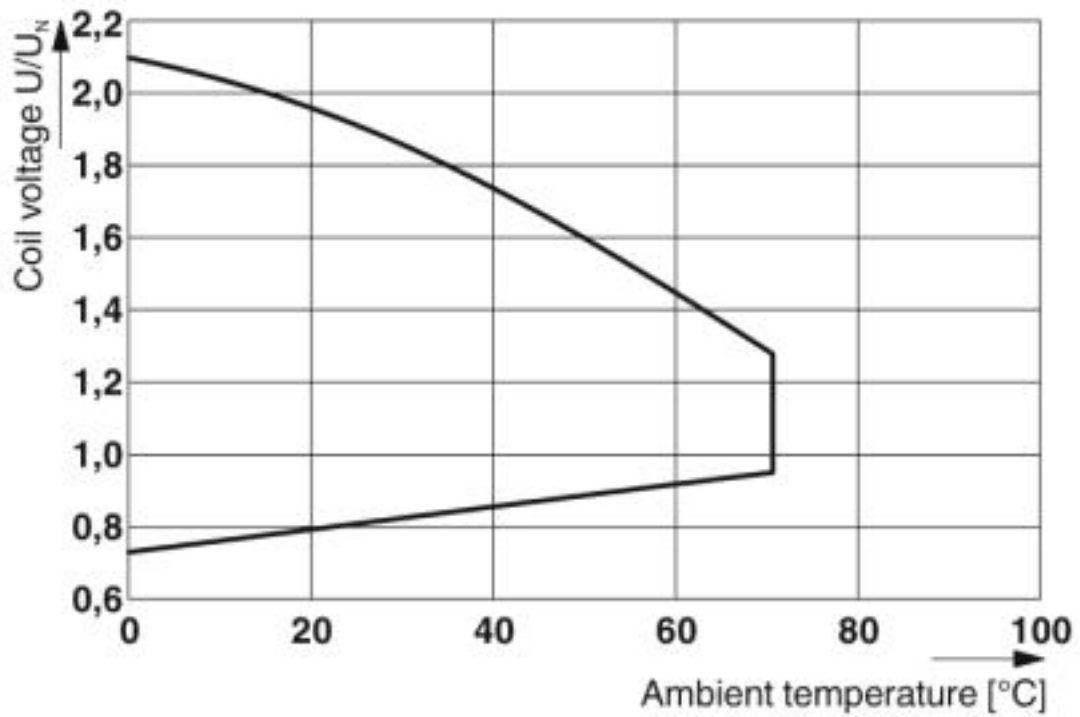
Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

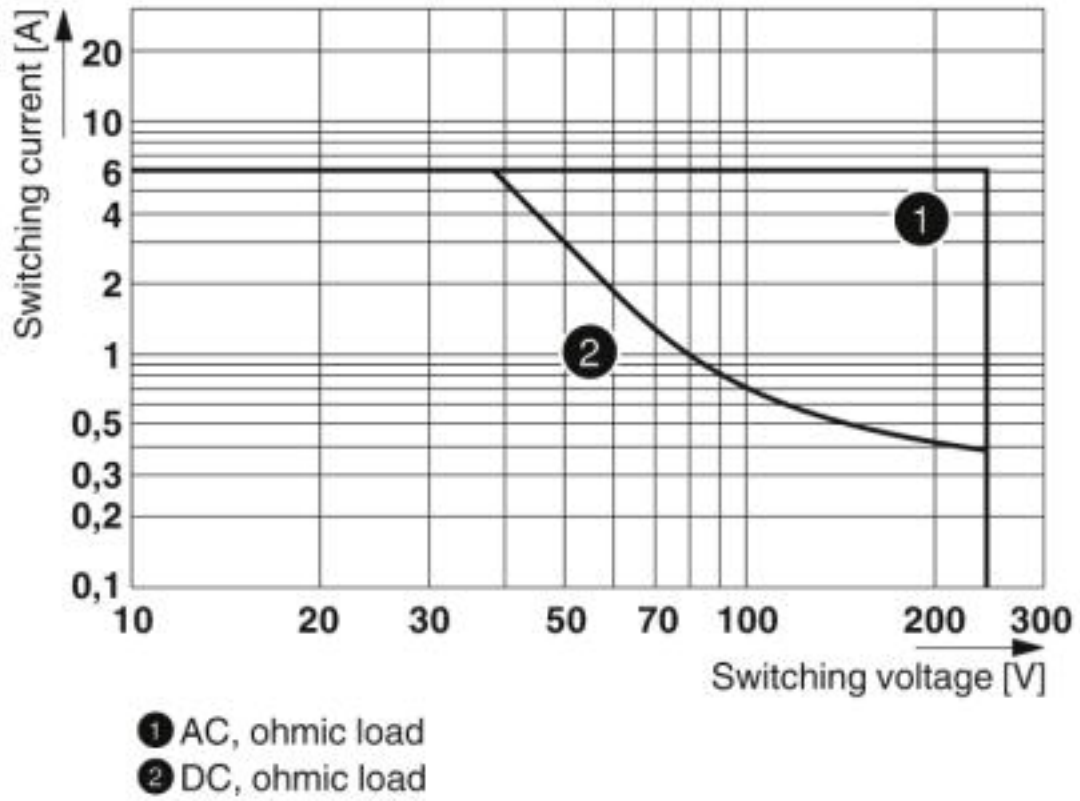
Diagram



Operating voltage range

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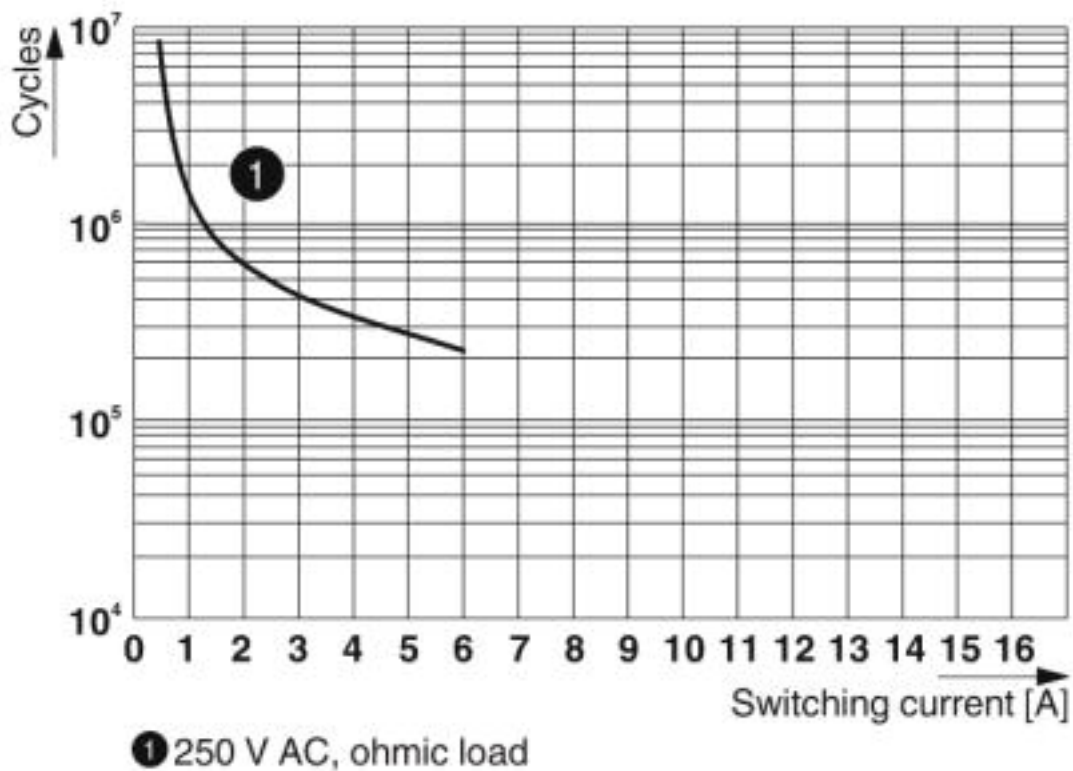
Diagram



Interrupting rating

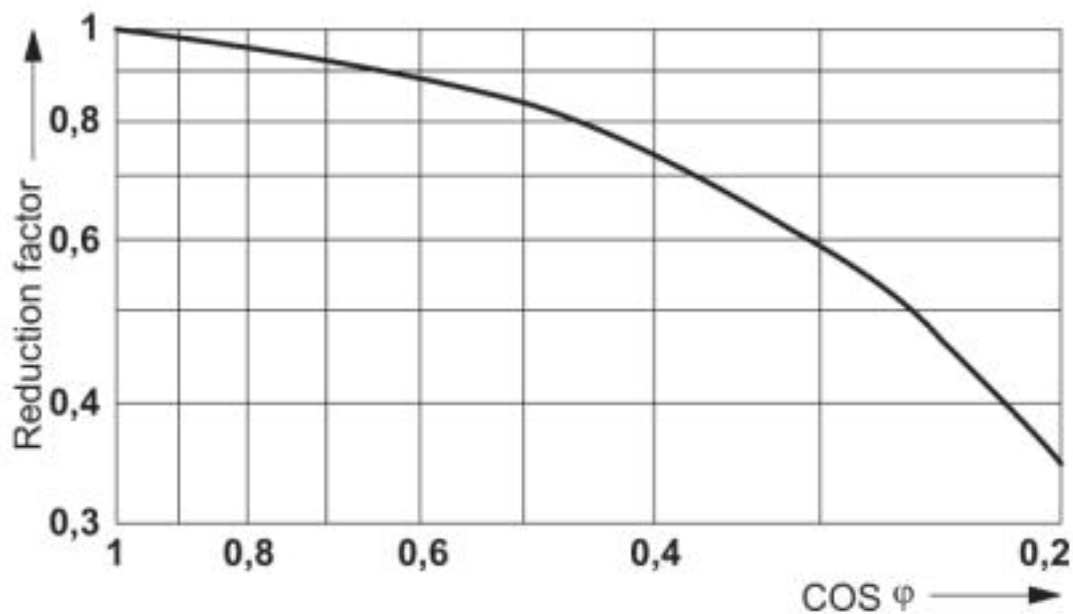
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Diagram



Electrical service life

Diagram



Service life reduction factor

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Classifications

eCl@ss

eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 5.0	EC001437
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Approvals

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UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 228652
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 228652
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cULus Recognized			
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