

REL-FO/L-110DC/1X21 - Single relay



1308299

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Plug-in miniature relay, FASTON connection, 1 changeover contact, status display: Yellow LED, Input voltage: 110 V DC

Commercial Data

Item number	1308299
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK6193
GTIN	4063151558192
Weight per Piece (including packing)	24.77 g
Weight per Piece (excluding packing)	22.22 g
Customs tariff number	85364900
Country of origin	CN

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Technical Data

Notes

General	Do not use to separate SELV/PELV circuits from other circuits, because safe isolation is not guaranteed. (applies to the optocoupler variants)
General	The system installer must ensure the touch protection of the product (at voltages > 25 V AC/60 V DC). The product is a built-in device without protection against direct contact.

Product properties

Product type	Single relay
Product family	ESSENTIAL edition
Operating mode	100% operating factor
Mechanical service life	approx. 5×10^7 cycles
Relay type	Electromechanical relay

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	3

Electrical properties

Maximum power dissipation for nominal condition	0.66 W
Test voltage (Winding/contact)	5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage ()	1 kV _{rms} (50 Hz, 1 min., open contact)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV

Input data

Coil side

Nominal input voltage U_N	110 V DC
Input voltage range	77 V DC ... 121 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U_N	6 mA
Input power dissipation for U_N	0.66 W
Typical response time	9 ms
Typical release time	3 ms
Status display	Yellow LED
Coil resistance	18870 Ω \pm 10 %

Output data

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Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (100 mA)
Limiting continuous current	12 A
Maximum inrush current	24 A (20 ms, N/O contacts)
Inrush current, minimum	100 mA (5 V)
Interrupting rating (ohmic load) max.	288 W (24 V DC) 360 W (30 V DC) 3000 VA (250 V AC)

Connection data

Connection method	FASTON connection
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Dimensions

Width	13 mm
Height	31.1 mm
Depth	30 mm

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	IEC 61810-1 IEC 60664-1
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Air clearances and creepage distances between the power circuits

Standards/regulations	IEC 60664-1
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Mounting

Mounting position	any
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Mandatory Accessories

ECOR-1-BSC2/FO/1X21 - Relay base

1308331

<https://www.phoenixcontact.com/in/products/1308331>

ECOR-1 relay base, for FASTON relay, Fork-type cable lug, 1 changeover contact, Input voltage 230 V AC



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