

1308299

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

### Commercial data

Item number	1308299
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	DKF931
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

Notes on operation	Do not use to separate SELV/PELV circuits from other circuits, because safe isolation is not guaranteed. (applies to the optocoupler variants)
Notes on operation	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. 5x 10 <sup>7</sup> cycles
Relay type	Electromechanical relay

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

Overvoltage category II	Insulation	Basic insulation
	Overvoltage category	II
Pollution degree 3	Pollution degree	3

#### Data management status

Date of last data management	05.09.2025

### Electrical properties

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

#### Air clearances and creepage distances between the power circuits

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Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV

### Input data

#### Coil side

Nominal input voltage U <sub>N</sub>	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 <sub>N</sub>	6 mA
Input power dissipation for $U_N$	0.66 W
Typical response time	2 ms 10 ms
Typical release time range	5 ms 20 ms
Status display	LED (yellow)
Coil resistance	18870 Ω ±10 %



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### Output data

Sv			

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC
	30 V 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
	171010110011011

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

### Mounting

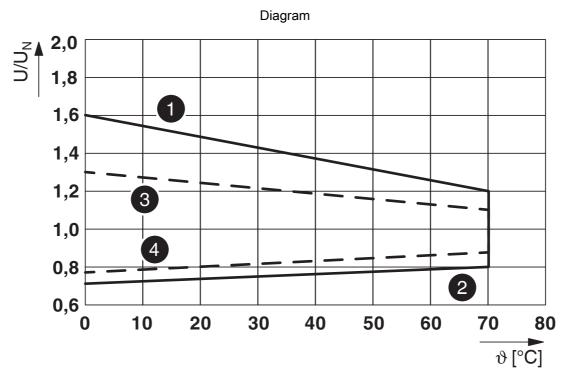
Mounting position	any



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# Drawings

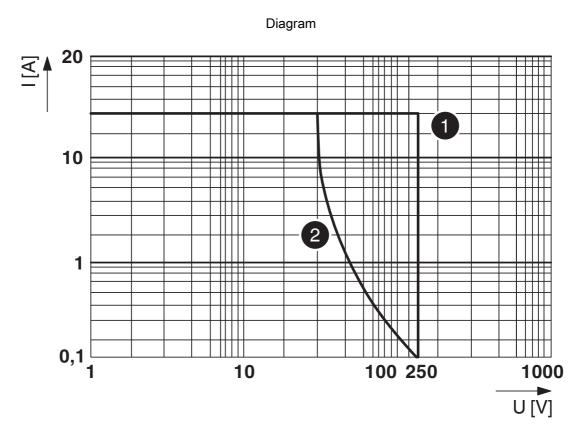


- 1) DC coil: maximum continuous voltage at limiting continuous current
- 2) DC coil: minimum operate voltage for pre-excitation with UN and limiting continuous current
- 3) AC coil: maximum continuous voltage at limiting continuous current
- 4) AC coil: minimum operate voltage for pre-excitation with UN and limiting continuous current



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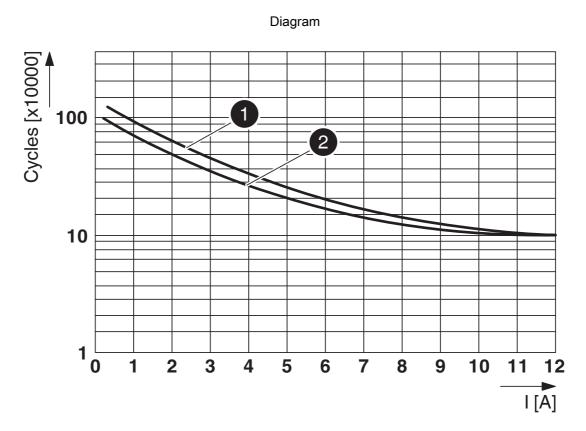


Interrupting rating 1) AC, ohmic load 2) DC, ohmic load



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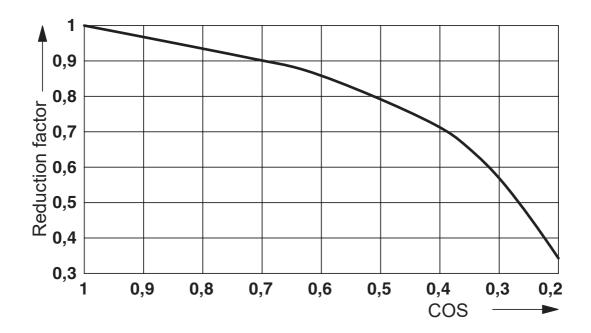
Electrical service life
1) 30 V DC resistance load
2) 250 V AC resistance load



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Diagram



Service life reduction factor with various cos phi



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### **Approvals**

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cUL Recognized

Approval ID: FILE E 172140



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# Classifications

#### **ECLASS**

	ECLASS-13.0	27371601
	ECLASS-15.0	27371601
ΕΊ	TIM	

	EC001437
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# Environmental product compliance

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%



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## Mandatory accessories

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

1308331

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



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