

1308296

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Plug-in miniature relay, FASTON connection, 2 changeover contacts, status display: Yellow LED, Input voltage: 24 V DC

Commercial data

Item number	1308296
Packing unit	1 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6193
GTIN	4063151558734
Weight per piece (including packing)	25 g
Weight per piece (excluding packing)	25 g
Customs tariff number	85364190
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 outputs are not suitable for switching different outer conductors.
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. 5x 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	0.58 W
Test voltage (Winding/contact)	5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	3 kV _{rms} (50 Hz, 1 min., changeover contact/changeover 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	24 V DC
Input voltage range	16.8 V DC 26.4 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	24 mA
Input power dissipation for U _N	0.58 W
Typical response time	9 ms
Typical release time	3 ms
Status display	Yellow LED



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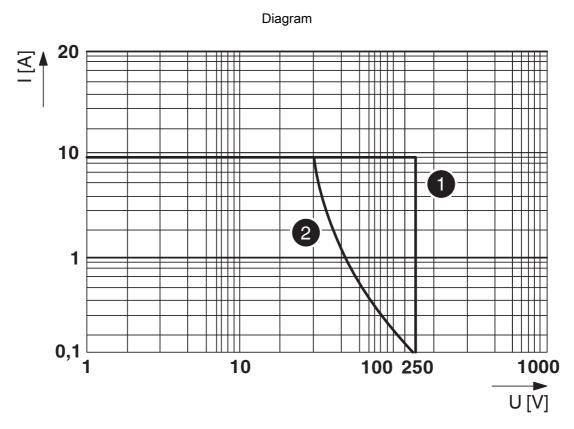
Coil resistance	1080 Ω ±10 %	
Output data		
Switching		
Contact switching type	2 changeover contacts	
Type of switch contact	Single contact	
Contact material	AgSnO	
Maximum switching voltage	250 V AC/DC	
Minimum switching voltage	5 V (10 mA)	
Limiting continuous current	8 A	
Maximum inrush current	16 A (20 ms, N/O contacts)	
Min. switching current	10 mA (5 V)	
Interrupting rating (ohmic load) max.	192 W (24 V DC)	
	240 W (30 V DC)	
	2000 VA (250 V AC)	
Connection data		
Connection method	FASTON connection	
Dimensions		
Width	13 mm	
Height	31.1 mm	
Depth	29 mm	
Environmental and real-life conditions Ambient conditions		
Degree of protection (Relay)	RT II (Relay)	
Degree of protection (Installation loca		
Ambient temperature (operation)	-40 °C 70 °C	
Ambient temperature (storage/transpo	ort) -40 °C 70 °C	
Altitude	≤ 2000 m	
Standards and regulations		
Standards/regulations	IEC 61810-1	
	IEC 60664-1	
Air clearances and creepage distances l	petween the power circuits	
Standards/regulations	IEC 60664-1	
Mounting		
Mounting position	any	



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Drawings

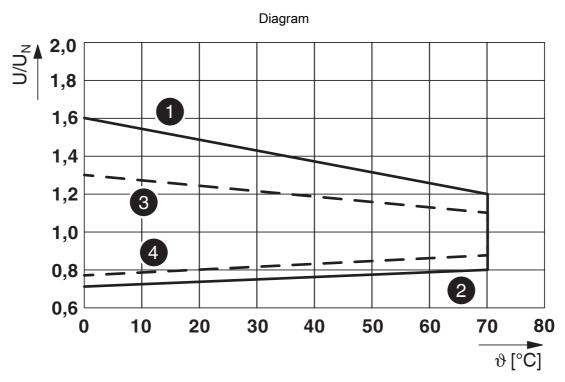


Interrupting rating 1) AC, ohmic load 2) DC, ohmic load



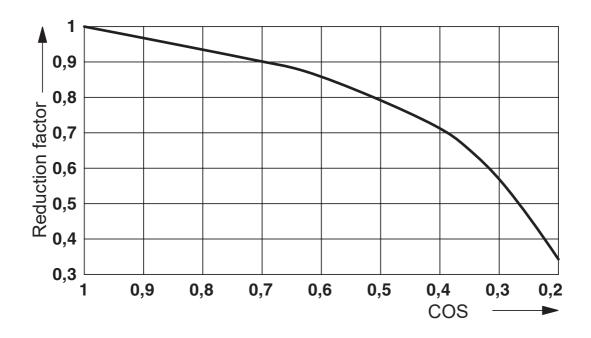
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Operating voltage range

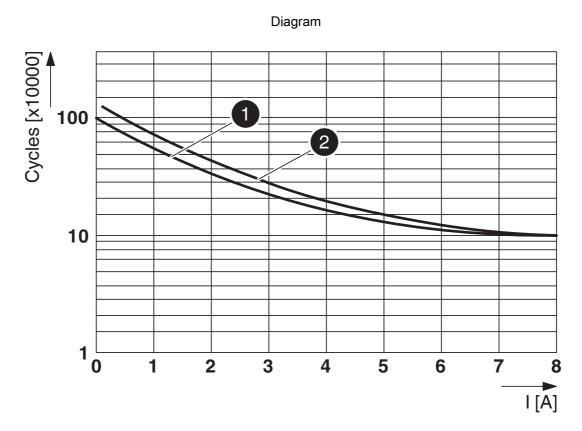
Diagram





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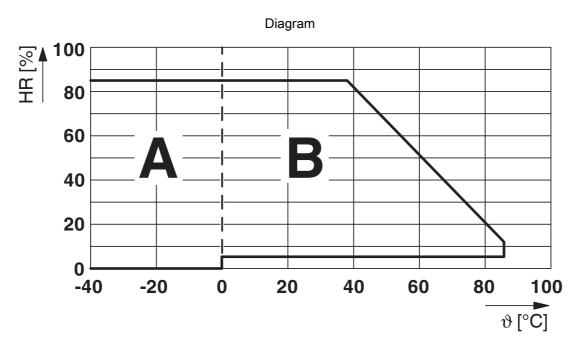


Electrical service life
1) 30 V DC resistance load
2) 250 V AC resistance load



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Permissible humidity for operation and storage.

The maximum permissible ambient temperature as specified in the data sheet must be observed.

Area A: Ice buildup at ambient temperatures ≤ 0°C must be prevented

Area B: Condensation at ambient temperatures > 0°C must be prevented

On 30 full days that are naturally distributed across an entire year, a humidity level of 95% is permissible at an ambient temperature \leq 25°C.



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Approvals

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Approval ID: FILE E 172140



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Classifications

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 8.0	EC001437



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Environmental product compliance

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



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Mandatory accessories

ECOR-1-BSC2/FO/2X21 - Relay base

1308332

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ECOR-1 relay base, for FASTON relay, Fork-type cable lug, 2 changeover contacts, Input voltage 230 V AC



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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com