

2834847

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Plug-in miniature power relay, with multi-layer gold contact, 2 changeover contacts, input voltage 48 V DC

Your advantages

• RT III-proof (wash-proof)

Commercial data

Item number	2834847
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6195
Catalog page	Page 290 (C-5-2019)
GTIN	4046356118934
Weight per piece (including packing)	16.2 g
Weight per piece (excluding packing)	14.95 g
Customs tariff number	85364900
Country of origin	AT



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Technical data

Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	3x 10 ⁷ cycles
Insulation characteristics	
Insulation	Basic insulation
Insulation characteristics	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	3

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.42 W
Test voltage (Winding/contact)	5 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	2.5 kV AC (50 Hz, 1 min., contact/contact)

Input data

Coil side

Nominal input voltage U _N	48 V DC
Input voltage range	31.2 V DC 119 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	8.7 mA
Typical response time	7 ms
Typical release time	3 ms
Coil resistance	5520 Ω ±10 % (at 20 °C)

Output data

Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Minimum switching voltage	100 mV (at 10 mA)
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Min. switching current	1 mA (at 24 V)



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the following values are applicable if a gold layer is destroyed Contact material AgNi Maximum switching voltage 5 V (at 10 mA) Limiting continuous current 8 A Maximum inrush current 15 A (300 ms) Min. switching current 10 mA (At 5 V) 110 w (at 48 V DC) 60 W (at 24 V DC) 100 W (at 48 V DC) 60 W (at 20 V DC) 2000 V A (for 250 DV DC) 2000 V A (for 250 DV DC) 2000 V A (for 250 DV DC) 20 A (at 120 V. AC15) 2 A (at 120 V. AC15) 2 A (at 250 V. AC15) 2 Min. switching capacity Vidth 12.7 mm Height 29 mm Depth 15.7 mm		
the following values are applicable if a gold layer is destroyed Contact material AgNi Maximum switching voltage 5 V (at 10 mA) Limiting continuous current 8 A Maximum inrush current 15 A (300 ms) Min. switching current 10 mA (At 5 V) Interrupting rating (ohmic load) max. 190 W (at 24 V DC) 60 W (at 80 V DC) 60 W (at 80 V DC) 60 W (at 220 V DC) 2000 V A (or 250 C) V DC) 21 A (at 24 V, DC13) 0.2 A (at 250 V, AC15) 2 A (at 250 V, AC15) Innection data Connection method Plug / solder connection Plug / solder connection Width 12.7 mm Height 29 mm Depth 15.7 mm Iterial specifications	Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
Layer is destroyed	Switching: when the gold layer is destroyed	
Maximum switching voltage 250 V Minimum switching voltage 5 V (at 10 mA) Limiting continuous current 8 A Maximum inrush current 15 A (300 ms) Min. switching current 10 mA (At 5 V) Interrupting rating (ohmic load) max. 190 W (at 24 V DC) 60 W (at 60 V DC) 44 W (at 110 V DC) 60 W (at 220 V DC) 2000 VA (for 250□V□AC) Switching capacity 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 1250 V, DC13) 0.2 A (at 1250 V, AC15) 2 A (at 250 V, AC15) 2 A (at 250 V, AC15) 2 A (at 250 V, AC15) Interestion data Connection method Plug / solder connection Pimensional drawing Width Width 12.7 mm Height 29 mm Depth 15.7 mm	Note	the following values are applicable if a gold layer is destroyed
Minimum switching voltage	Contact material	AgNi
Limiting continuous current	Maximum switching voltage	250 V
Maximum inrush current Interrupting rating (ohmic load) max. Interval Lat V DC1 Interrupting rating (ohmic load) max. Interval Lat V DC1 Interval Lat V	Minimum switching voltage	5 V (at 10 mA)
Min. switching current Interrupting rating (ohmic load) max. 190 W (at 24 V DC) 100 W (at 48 V DC) 60 W (at 60 V DC) 44 W (at 110 V DC) 60 W (at 220 V DC) 2000 VA (for 250□V□AC) 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 120 V, AC15) 2 A (at 250 V, AC15) 3 A (at 250 V, AC15) 4 A (at 250 V, AC15) 5 A (at 250 V, AC15) 6 A (at 250 V, AC15) 7 A (at 250 V, AC15) 8 A (at 250 V, AC15) 9 A (at 250	Limiting continuous current	8 A
Interrupting rating (ohmic load) max. 190 W (at 24 V DC)	Maximum inrush current	15 A (300 ms)
100 W (at 48 V DC) 60 W (at 60 V DC) 44 W (at 110 V DC) 60 W (at 220 V DC) 2000 VA (for 250 CIVCIAC) 2000 VA (for 250 CIVCIAC) 2 A (at 24 V, DC13) 0.2 A (at 250 V, DC13) 2 A (at 250 V, DC13) 2 A (at 250 V, AC15) 3 A (at 250 V, AC15) 4 A (at 250 V, AC15) 5 A (at 250 V, AC15) 6 A (at 250 V, AC15) 7 A (at 250 V, AC15) 8 A (at 250 V, AC15) 9 A (at 250 V, AC15) 1 A (at 250 V, AC15) 1 A (at 250 V, AC15) 1 A (at 250 V, AC15) 2 A (at 250 V, AC15) 3 A (at 250 V, AC15) 4 A (at 250 V, AC15) 5 A (at 250 V, AC15) 6 A (at 250 V, AC15) 7 A (at 250 V, AC15) 7 A (at 250 V, AC15) 8 A (at 250 V, AC15) 9 A (at 250 V, AC1	Min. switching current	10 mA (At 5 V)
60 W (at 60 V DC) 44 W (at 110 V DC) 60 W (at 220 V DC) 2000 VA (for 250□V□AC) 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 250 V, DC13) 2 A (at 250 V, AC15) Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm	Interrupting rating (ohmic load) max.	190 W (at 24 V DC)
44 W (at 110 V DC) 60 W (at 220 V DC) 2000 VA (for 250□V□AC) Switching capacity 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 110 V, DC13) 2 A (at 250 V, DC13) 2 A (at 250 V, AC15) 2 A (at 250 V, AC15) 2 A (at 250 V, AC15) nnection data Connection method Plug / solder connection 12.7 mm Height 29 mm Depth 15.7 mm		100 W (at 48 V DC)
60 W (at 220 V DC) 2000 VA (for 250□V□AC) Switching capacity 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 250 V, DC13) 2 A (at 250 V, AC15) Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm		60 W (at 60 V DC)
2000 VA (for 250□V□AC) Switching capacity 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 250 V, DC13) 2 A (at 250 V, AC15) 2 Nection method Plug / solder connection mensions Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm		44 W (at 110 V DC)
Switching capacity 2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.2 A (at 250 V, DC13) 2 A (at 250 V, AC15) 2 Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm		60 W (at 220 V DC)
0.2 A (at 110 V, DC13) 0.2 A (at 250 V, DC13) 2 A (at 250 V, DC13) 2 A (at 250 V, AC15) 2 A (at 120 V, AC15) 2 A (at 250 V, AC15) 2 A (at 250 V, AC15) 2 A (at 250 V, AC15) 3 A (at 250 V, AC15) 4 A (at 250 V, AC15) 5 A (at 250 V, AC15) 6 A (at 120 V, AC15) 7 A (at 250 V, AC15) 8 A (at 120 V, AC15) 9 A (at 250 V, AC15) 12 A (at 250 V, AC15) 9 A (at 250 V, AC15) 12		2000 VA (for 250□V□AC)
0.2 A (at 250 V, DC13) 2 A (at 24 V, AC15) 2 A (at 120 V, AC15) 2 A (at 250 V, AC15) 3 A (at 250 V, AC15) 4 A (at 250 V, AC15) 5 A (at 250 V, AC15) 7 A (at 250 V, AC15) 8 A (at 250 V, AC15) 9 A (at 250 V, AC15	Switching capacity	2 A (at 24 V, DC13)
2 A (at 24 V, AC15) 2 A (at 120 V, AC15) 2 A (at 250 V, AC15) nnection data Connection method Plug / solder connection nensions Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm Iterial specifications		0.2 A (at 110 V, DC13)
2 A (at 120 V, AC15) 2 A (at 250 V, AC15) nnection data Connection method Plug / solder connection nensions Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm		0.2 A (at 250 V, DC13)
2 A (at 250 V, AC15) nnection data Connection method Plug / solder connection nensions Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm terial specifications		2 A (at 24 V, AC15)
Connection method Plug / solder connection mensions Dimensional drawing Width 12.7 mm Height 29 mm Depth 15.7 mm terial specifications		2 A (at 120 V, AC15)
Connection method Plug / solder connection		2 A (at 250 V, AC15)
Dimensional drawing Width 12.7 mm Height Depth 15.7 mm 15.7 mm	nnection data	
Dimensional drawing Width 12.7 mm Height Depth 15.7 mm terial specifications	Connection method	Plug / solder connection
Dimensional drawing Width 12.7 mm Height Depth 15.7 mm terial specifications	nensions	
Width 12.7 mm Height 29 mm Depth 15.7 mm		
Height 29 mm Depth 15.7 mm terial specifications		
Depth 15.7 mm terial specifications	Width	12.7 mm
terial specifications	Height	29 mm
	Depth	15.7 mm
Color white (RAL 9010)	terial specifications	
		white (RAL 9010)

Environmental and real-life conditions



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Ambient conditions

Degree of protection	RT III
Ambient temperature (operation)	-40 °C 85 °C

Approvals

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

Standards and regulations

Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1

Mounting

Assembly instructions	Can be aligned without spacing (> 70 °C ≥ 2.5 mm)
Mounting position	any



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601
ETIM	
ETIM 9.0	EC001437
UNSPSC	

39122300



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