

2961299

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Plug-in miniature power relay, with multi-layer gold contact, 2 changeover contacts, input voltage 12 V DC

Your advantages

• RT III-proof (wash-proof)

Commercial data

Item number	2961299
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6195
Catalog page	Page 290 (C-5-2019)
GTIN	4017918164041
Weight per piece (including packing)	16.34 g
Weight per piece (excluding packing)	14.98 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	0.4 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	12 V DC
Input voltage range	7.8 V DC 29.76 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	33 mA
Typical response time	7 ms
Typical release time	3 ms
Coil resistance	360 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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Degree of protection

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Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
Switching capacity min.	0.12 W
witching: when the gold layer is destroyed	
Note	the following values are applicable if a gold layer is destroyed
Contact material	AgNi
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)
	85 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)
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 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	29 12.7
Width	12.7 mm
Height	29 mm
Depth	15.7 mm
terial specifications	
Color	white (RAL 9010)
vironmental and real-life conditions	
ANOMINENTAL AND TEAR-INE CONDITIONS	

RT III



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	Ambient temperature (operation)	-40 °C 85 °C
	Ambient temperature (storage/transport)	-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
Мс	punting	
	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		

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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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