#### 2909644

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Plug-in miniature power relay, with multi-layer gold contact, 1 changeover contact, manual operation, 12 V DC input voltage

### Commercial data

Item number	2909644
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6195
Catalog page	Page 284 (C-5-2019)
GTIN	4055626377698
Weight per piece (including packing)	6.65 g
Weight per piece (excluding packing)	4.7 g
Customs tariff number	85364190
Country of origin	CZ

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## Technical data

#### **Product properties**

Product type	Single relay	
Operating mode	100% operating factor	
Mechanical service life	1x 10 <sup>7</sup> cycles	
Insulation characteristics		
Overvoltage category	III	
Pollution degree	3	
Electrical properties		
Maximum power dissipation for nominal condition	0.17 W	

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Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

### Input data

Coil side		
Nominal input voltage U <sub>N</sub>	12 V DC	
Input voltage range	7.2 V DC 33 V DC	
Input voltage range in reference to ${\rm U}_{\rm N}$	see diagram	
Drive and function	monostable	
Drive (polarity)	non-polarized	
Typical input current at U <sub>N</sub>	14 mA	
Typical response time	5 ms	
Typical release time	2.5 ms	
Coil resistance	848 Ω ±10 % (at 20 °C)	

### Output data

Switching		
Contact switching type	1 changeover contact	
Type of switch contact	Single contact	
Contact material	AgSnO, 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)	
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)	
Motor load according to UL 508	1/4 HP, 240 - 277 V AC (N/O contact)	
	1/6 HP, 240 - 277 V AC (N/C contact)	

Switching: when the gold layer is destroyed





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Note	the following values are applicable if a gold layer is destroyed
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250□V□AC)
Switching capacity	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)
nnection data	
Connection method	Plug / solder connection
nensions	
Width	5 mm
Height	28 mm

#### Material specifications

Depth

Color	white (RAL 9010)

16 mm

#### Environmental and real-life conditions

Ambient conditions		
Degree of protection	RT II	
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

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Mounting position

Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1
Mounting	
Assembly instructions	in rows with zero spacing

any





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## Classifications

#### ECLASS

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

### ETIM

	ETIM 9.0	EC001437
UN	NSPSC	
	UNSPSC 21.0	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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