#### 2909742

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Pluggable industrial relay, RT III sealed with power contacts, 4x changeover contacts, mechanical switch position indicator, polarity: non-polarized, input voltage: 230 V AC, in connection with RIF-2.../EX bases approved in accordance with ATEX/IECEx (zone 2) and Ex zone class I, div. 2.

## Commercial data

Item number	2909742
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6193
Catalog page	Page 345 (C-5-2019)
GTIN	4055626379920
Weight per piece (including packing)	32.85 g
Weight per piece (excluding packing)	32.85 g
Customs tariff number	85364900
Country of origin	PL

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## Technical data

### **Product properties**

Dead at the se	O'racha anh		
Product type	Single relay		
Operating mode	100% operating factor		
Mechanical service life	approx. 2x 10 <sup>7</sup> cycles		
Insulation characteristics			
Insulation	Basic insulation		
Insulation characteristics			
Insulation	Basic insulation		
Overvoltage category	II		

## **Electrical properties**

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1.5 W
Test voltage (Winding/contact)	2.5 kV <sub>rms</sub> (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2 kV <sub>rms</sub> (50 Hz, 1 min., changeover contact/changeover contact)
Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV

## Input data

Coil side	
Nominal input voltage U <sub>N</sub>	230 V AC
Input voltage range	179.4 V AC 317.4 V AC
Input voltage range in reference to $U_N$	see diagram
Mains frequency	50/60 Hz
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U <sub>N</sub>	6.5 mA
Typical response time	5 ms 15 ms (depending on phase relation)
Typical release time range	5 ms 20 ms (depending on phase relation)
Status display	Yellow LED

## Output data

## Switching

Contact switching type	4 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)

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Limiting continuous current	6 A
Maximum inrush current	16 A (20 ms, N/O contacts)
Min. switching current	5 mA (at 24 V)
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	48 W (at 220 V DC)
	1500 VA (for 250□V□AC)
Switching capacity min.	0.12 W
Switching capacity	2 A (at 24 V, DC13)
	0.22 A (at 120 V, DC13)
	0.11 A (at 250 V, DC13)
	1.5 A (at 24 V, AC15)
	1.5 A (at 120 V, AC15)
	1 A (at 240 V, AC15)
Motor load according to UL 508	1/3 HP, 240 V AC

## Connection data

Connection method	Plug-in connection
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### Dimensions

Width	21.2 mm
Height	27.5 mm
Depth	35.6 mm

### Environmental and real-life conditions

Ambient conditions		
Degree of protection	RT III	
Ambient temperature (operation)	-40 °C 55 °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	
	IEC 61810	
Mounting		
Mounting position	any	



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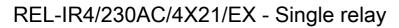
## Classifications

## ECLASS

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

## ETIM

	ETIM 9.0	EC001437
UN	ISPSC	
	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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