

2909744

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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: 120 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	2909744
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6193
Catalog page	Page 345 (C-5-2019)
GTIN	4055626379937
Weight per piece (including packing)	34.8 g
Weight per piece (excluding packing)	34.8 g
Customs tariff number	85364900
Country of origin	PL



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Technical data

Product properties

Product type	Single relay	
Operating mode	100% operating factor	
Mechanical service life	approx. 2x 10 ⁷ cycles	
Insulation characteristics		
Insulation	Basic insulation	
Insulation characteristics		
Insulation	Basic insulation	
Overvoltage category	II	
Pollution degree	2	

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1.56 W
Test voltage (Winding/contact)	2.5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2 kV _{rms} (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 _N	120 V AC
Input voltage range	93.6 V AC 165.6 V AC
Input voltage range in reference to $\mathbf{U}_{\mathbf{N}}$	see diagram
Mains frequency	50/60 Hz
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	13 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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Mounting

Mounting position

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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 method	Plug-in connection
mensions	
Width	21.2 mm
Height	27.5 mm
Depth	35.6 mm
nvironmental 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
oprovals Corrosive gas test	
Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60
andards and regulations	
Standards/regulations	IEC 60664
	IEC 61810

any



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Classifications

UNSPSC 21.0

ECLASS

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	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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