

NOARK

Ex9RCA31DBS

Safety control relay - 1321885 - Ex9RCA - built-in surge suppression - 24Vdc coil - 3NO+1NC aux. contacts

Safety control relay with built-in surge suppression - NOARK (Ex9RCA series) - 4-poles (4P) - 19.2-26.4Vdc (24Vdc nom.; 0.8...1.1 x Us) supply voltage - 3NO+1NC aux. contact - IP20 - equivalent to 1321885

Additional information

The technical information provided in the datasheet is subject to change without notice. For confirmation, please contact NOARK's product support team.

Specifications

Primary brand	NOARK
Main function	Safety relay
Product series / family name	Industrial controls > Relays > Safety relays
Sub-range name	Ex9RCA series
Functions	Safety control relay
Design	built-in surge suppression
Poles	4-poles (4P)
Supply voltage (DC)	19.2-26.4Vdc (24Vdc nom.; 0.8...1.1 x Us) 2.4-18Vdc drop-off (0.1...0.75 x Us)

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Rated current	10A (continuous) 600A (switching capacity) 6A (120Vac; AC-15) 3A (230Vac; AC-15) 3A (240Vac; AC-15) 1.9A (400Vac; AC-15) 1.5A (480Vac; AC-15) 1.4A (500Vac; AC-15) 1.2A (600Vac; AC-15) 5A (24Vdc; DC-13; main poles) 2.5A (48Vdc; DC-13; main poles) 1.1A (110Vdc; DC-13; main poles) 0.55A (220Vdc; DC-13; main poles) 0.3A (440Vdc; DC-13; main poles) 0.2A (600Vdc; DC-13; main poles) 2.8A (24Vdc; AC-13; auxiliary poles) 1.2A (48Vdc; AC-13; auxiliary poles) 0.55A (110Vdc; AC-13; auxiliary poles) 0.27A (220Vdc; AC-13; auxiliary poles) 0.15A (440Vdc; AC-13; auxiliary poles) 0.1A (600Vdc; AC-13; auxiliary poles) 10A (Ith conventional free air thermal current at 40˚C ambient) 10A (Ith conventional free air thermal current at 60˚C ambient)
Rated Voltage (DC)	600Vdc (load carrying capacity per UL)
Rated impulse voltage (Uimp)	6 kV
Rated insulation voltage (Ui)	(IEC) 690 V (UL / CSA) 600 V
Normally Open (NO) auxliary contacts	3 NO contacts
Normally Closed (NC) auxiliary contacts	1 NC contacts
Response time	(closing delay) 25-40ms / 0.025-0.04 s (opening delay) 10-15ms / 0.01-0.015 s
Contacts type	3NO+1NC (3 Normally Open + 1 Normally Closed) aux. contacts 13-14 NO 23-24 NO 33-34 NO 41-42 NC
Degree of protection	IP20
Dimensions	H58mm x W45mm x D73mm H2.28" x W1.77" x D2.87"
Ambient air temperature for operation	-4˚F...+140˚F / -20˚C...+60 ˚C
Ambient air temperature for storage	-76˚F...+176˚F / -60˚C...+80 ˚C
Power consumption	(hold-in) 3.2-4 W (pick-up) 3.2-4 W

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Order code / Manufacturer SKU	Ex9RCA31DB 1321885
Manufacturer product status	Commercialized
Equivalent to	1321885
Compliant with standard(s)	UL 60947-1 (file number E353865) IEC/EN 60947-5-1 CSA CE CCC RoHS GB/T 14048.4

Benefits

The new NOARK Electric Ex9RCA Safety Control Relay is designed to provide fail-safe performance for safety function applications.
It features mechanically linked contacts for use on safety feedback circuits with up to 6NCs in contact configuration.
When installed the normally closed contact is force guided with the normally open contacts making he Ex9RCA ideal for SRP/CS.
- Force guided/mechanically linked contacts as per IEC/UL60947-5-1 Annex L
- Mechanically linked contacts symbol prominently displayed on red front cover
- Fixed transparent anti-dust cover allows easy identification of device action and prevents manual operation
- AC or DC operating coils 4-pole models
- Extended contacts configuration up to 8-poles with permanent front block
- Easily mounts on DIN 35mm or panel
- 5 year limited warranty

Documents

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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