

NOARK

RDS1B1003

Rotary switch-disconnector - 1002973 - UL98 - 3P3d - 100A rated - Switch board / DIN rail - front fixed connection - IP20

Fixed-type front-operated rotary switch-disconnector - non-fusible - UL98 - NOARK (RDS1 series) - 3-poles (3P3d) - Rated current 100A - Front fixed-type connection pads - Switch board / DIN rail - IP20 - 125A frame - equivalent to 1002973

Specifications

Primary brand	NOARK
Main function	Switch-disconnector
Product series / family name	Electrical protection > Disconnector switches > AC rotary switch-disconnectors
Sub-range name	RDS1 series
Functions	Fixed-type front-operated rotary switch-disconnector
Design	non-fusible 125A frame Class J / Class T fuse type
Poles	3-poles (3P3d)
Rated current	100A
Rated voltage (AC)	600Vac
Rated impulse voltage (Uimp)	(CE) 8 kV
Rated insulation voltage (Ui)	(CE) 750 V
Connection type	Front fixed-type connection pads
Cross-section	connects with #8AWG...#1/0AWG (0) / 10mm2...70mm2 conductors connects with #22AWG / 0.4mm2...0.5mm2 auxiliary contact conductors
Short circuit breaking rating	200kA (600Vac; 100A max. fuse size) 50kA (600Vac; 150A max. fuse size)
Mounting mode	Switch board / DIN rail
Degree of protection	IP20
Dimensions	H100mm x W70mm x D68.5mm H3.94" x W2.76" x D2.70"

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Ambient air temperature for operation	-40˚C...+85 ˚C
Order code / Manufacturer SKU	RDS1B1003 1002973
Manufacturer product status	Commercialized
Equivalent to	1002973
Compliant with standard(s)	UL98 cULus listed GB/T 14048.3 IEC/EN 60947-3 CE marking CCC
Electrical durability	6000 hours
Mechanical durability	20000 hours
Tightening torque	(main circuit) 6.2 N.m (AUX) 0.8 N.m (operating) 1.5-2 N.m

Benefits

Non-Fusible Rotary Disconnect Switch

Product Overview
Noark RDS1 series non-Fusible Rotary Disconnect Switch complies with UL98 standard and can be used for isolation in AC 600V power systems.
During the maintenance of electrical equipment, the product can isolate the equipment from the power supply, forming a clear disconnect point to ensure the safety of maintenance personnel and equipment.

Design Features
- Electrical lifecycle□ 6000 times
- Mechanical lifecycle□ 20000 times
- Current ratings□ 30-100A
- Maximum voltage rating□ 600V
- DIN rail/board mounting and door mounting options with rotary and selector handles.
- The switch can be equipped with up to 2 pairs of auxiliary contacts on both sides, with buckle design for easy mounting and unmounting.
- Widely used in industry and commerce, including power distribution, construction, petrochemical, etc.

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