

NOARK

RDSD2HV02S100

Rotary switch-disconnector - 1600221 - UL98B - 2P - end mechanism - 100A rated - side fixed connection - 1500Vdc - IP20

Fixed-type side-operated rotary switch-disconnector - UL98B - NOARK (RDSD series) - 2-poles (2P / end mechanism) - Rated current 100A - Rear/side fixed-type connection pads - IP20 - 300A frame - equivalent to 1600221

Specifications

Primary brand	NOARK
Main function	Switch-disconnector
Product series / family name	Electrical protection > Disconnector switches > DC rotary switch-disconnectors
Sub-range name	RDSD series
Functions	Fixed-type side-operated rotary switch-disconnector
Design	300A frame
Poles	2-poles (2P / end mechanism)
Rated current	100A
Rated Voltage (DC)	1500Vdc
Rated impulse voltage (Uimp)	(UL; IEC) 12 kV
Rated insulation voltage (Ui)	1500 V
Connection type	Rear/side fixed-type connection pads
Cross-section	connects with 64mm2...193mm2 conductors (UL) connects with 35mm2...185mm2 conductors (IEC)
Short circuit breaking rating	10kA
Degree of protection	IP20
Dimensions	H149mm x W127.1mm x D102.5mm H5.87" x W5" x D4.04"
Ambient air temperature for operation	-40˚C...+70 ˚C
Order code / Manufacturer SKU	RDSD2HV02S100 1600221

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Manufacturer product status	Commercialized
Equivalent to	1600221
Compliant with standard(s)	UL98B UL GB/T 14048.3 IEC/EN 60947-3 CE marking CCC TUV RoHS compliant
Electrical durability	(UL) 1000 hours (IEC) 200 hours
Mechanical durability	8000 hours
Tightening torque	(main) 16-18 N.m (operating) 4-9 N.m

Benefits

RDSD HV Series DC Rotary Disconnect Switches

Product Overview
The Noark RDSD HV rotary disconnect switch is strictly designed and manufactured in accordance with relevant UL standards, specifically providing a safe and reliable circuit control solution for DC power systems.
This product is suitable for harsh working conditions with a maximum DC voltage of DV 1500V and a rated current of up to 1000A.
It realizes the functions of infrequent manual disconnection of the circuit and power isolation through a rotary operating mechanism.
Its core advantage lies in its ability to form an obvious physical disconnection point in line with safety regulations in the power system, providing reliable power - off protection for equipment maintenance and overhaul, and effectively reducing operational risks.
As an ideal component for high - voltage DC systems, the RDSD HV series of disconnect switch is particularly recommended for use in the photovoltaic energy storage industry, such as key nodes like the DC side of energy storage converters and the DC bus of photovoltaic inverters, providing dual protection for the reliable operation of equipment and the safe operation of personnel.

Approvals
- Standards UL 98B, IEC 60947-1/3, GB/T 14048.1/3
- Certifications UL, CE, TUV, RoHS, CCC

Features
- UL Certified Rated for 100-1000A (up to DC 1500V) with stringent temperature rise requirements.
- Wide Operating Range -40˚C to +70˚C (no derating below 70˚C).
- Flexible Installation Front or side operation options
- Mounting orientation unrestricted.
- Compact Design Series-connected poles enable high-current interruption in minimal space.

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