

FEATURES

- Panel mounting
- Maximum current of 20 A
- Power rating of 11kW
- Voltage rating of 690 V
- Switch rating of 5 kA
- Operating temperature range of -25°C to +40°C
- Flame retardant, dust-tight and water-resistant materials (IP65 Rating)
- Can only be removed in the OFF position
- Red handle colour
- Accepts padlocks
- Length of 125 mm
- Three poles

RS PRO Non-Fused Switch Disconnectors

RS Stock No.: 8609529

Allied SKU: 70658511



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This non-fused isolator switch is an electrical safety device that can be used to power down or isolate part of a circuit whenever it needs servicing. It's part of our stringently tested RS PRO series that's tested by leading engineers.

Isolation switches separate circuits from their main power source, allowing you to work on them without electrocuting yourself. Non-fused models like this one use a knife-blade or rotary disconnect, so you can reset them without needing to replace a fuse. With a maximum operating temperature of +1000°C, this thermocouple can be used in a wide range of applications.

The switch conforms to ANSI/ESD S20.20:2014 and BS EN 61340-5-1:2007 standards and won't damage your equipment through electrostatic discharge. It's enclosed in flame-retardant materials, so it can be used confidently in electrical circuits, transmission lines and transformers.

General Specifications

Number of Poles	3
Accepts Padlocks	Yes
Handle Type	Handle included
Handle Colour	Red
Applications	This non-fused isolator switch is an electrical safety device that can be used to power down or isolate part of a circuit whenever it needs servicing.

Electrical Specifications

Rated operational current Ie AC21A	20 A
Rated operational current Ie AC22A	16 A
Rated operational voltage Ue IEC & EN	690 V
Rated operational power AC23A 380-440V	11 kW
Rated operational power AC3 440V	5.5 kW
Maximum gL fuse size IEC	20 A
Rated fused short circuit capacity IEC	5 kA
Knockout size	20 mm
Maximum Cable Capacity	6 mm ²
Number of possible auxilliary contacts	None

Mechanical Specifications

Mounting Type	Panel mount
Length/ Height	125mm
Width	100mm
Depth	74mm
Depth including switch	118mm
Recommended Tightening Torque	1.7Nm

Operation Environment Specifications

Normal Operating Temperature	-25°C to +40°C
Minimum Operating Temperature	-25°C
Maximum Operating Temperature	+40°C
Fire Resistance	960°C

Protection Category

IP Rating	IP65
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Approvals

Compliance/Certifications	CB, CE, SEMKO; EN60947, ANSI/UL 508
Declarations	Statement of conformity

Similar Products

Parameters	Stock#773-7960	Stock#773-8002	Stock#773-8018	Stock#773-8008
Brand	RS RPO	RS RPO	RS RPO	RS RPO
Number of Poles	4	3	3	4
Accepts Padlocks	Yes	Yes	Yes	Yes
Auxiliary Contacts Available		Yes	Yes	Yes
Electrical Phase	3	3	3	3
Maximum Current	25A	25A	63A	63A
Rated Operational Current Ie AC21A	25A	25A	63A	63A
Voltage Rating	690V ac	690V ac	690V ac	690V ac
Rated Operational Power AC23A 440V	11 kW (400V)	11 kW (380-440V)	18.5 kW (440V)	30 kW (380-440V)
Power Rating	11 kW	11 kW	18.5kW	30kW
Switch Rating	5kA	5kA	30kA	30kA
Maximum gL Fuse Size IEC	20A	20A	63A	63A
Rated Fused Short Circuit Capacity IEC	5kA	5kA	30kA	30kA
Maximum Cable Capacity		6mm ²	10mm ²	10mm ²
Mounting Type	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Length	175mm	220mm	220mm	220mm
Width	125mm	145mm	145mm	145mm
Depth	90mm	90mm	90mm	90mm
Depth Including Switch	134mm	134mm	134mm	134mm
Recommended Tightening Torque	1.7Nm	1.7Nm	2Nm	2Nm
IP Rating	IP65	IP54	IP54	IP65
Compliance/Certifications	UL 508, EN60947,	EN60947	UL 508	UL 508, EN60947
Normal Operating Temperature	-25°C to +40°C	-25°C to +40°C	-25°C to +40°C	-25°C to +40°C
Applications	<ul style="list-style-type: none"> • Non-inductive or slightly inductive loads, resistance furnaces • Squirrel - cage motors: starting, switching off motors during running • Control of AC electromagnetic loads 	<ul style="list-style-type: none"> • Non-inductive or slightly inductive loads, resistance furnaces • Squirrel - cage motors: starting, switching off motors during running 	<ul style="list-style-type: none"> Non-inductive or slightly inductive loads, resistance furnaces, Squirrel - cage motors, Control of AC electromagnetic loads 	<ul style="list-style-type: none"> • Non-inductive or slightly inductive loads, resistance furnaces • Squirrel - cage motors: starting, switching off motors during running

	<ul style="list-style-type: none"> • Switching of resistive loads, including moderate overloads • Switching of motor loads or other highly inductive loads • Switching of mixed resistive and inductive loads 	<ul style="list-style-type: none"> • Control of AC electromagnetic loads • Switching of resistive loads, including moderate overloads • Switching of motor loads or other highly inductive loads • Switching of mixed resistive and inductive loads 	<ul style="list-style-type: none"> • AC Control electromagnetic loads • Switching of resistive loads, including moderate overloads • Switching of motor loads or other highly inductive loads • Switching of mixed resistive and inductive loads
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