

## FEATURES

- Compact and robust, ideal for hard-wearing industrial environments
- High-performance level
- Aesthetically pleasing yellow plate
- Suitable for use in applications where there is a need to disconnect electrical equipment from the circuit
- Disconnect switch can also be used as safety switch
- Performs local isolation, manual override and safety switch function
- The handle is interlocked ensuring removal only if the switch is in "off" position
- The handle is padlockable in the "off" position
- The shaft is hexagonal for rigidity, 8mm across the flats and is supplied at 282mm length
- Maximum panel thickness is 3mm
- All switch ratings at AC22
- 2 rear hole mounting (35mm DIN rail mount)
- Depth behind panel is 355mm

## RS PRO Non-Fused Switch Disconnectors

**RS Stock No.: 466154**

**Allied SKU: 70822677**



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 from our high-quality own brand RS PRO is designed with strong and durable material that is suitable for a multitude environments. This three-pole version is perfectly suited for manual motor control applications. Super easy to connect and wire as it comes to you undrilled, which enables variable cable entry positions.*

## General Specifications

<b>Number of Poles</b>	3
<b>Accepts Padlocks</b>	Yes
<b>Handle Type</b>	Handle and Shaft included
<b>Handle Colour</b>	Red
<b>Applications</b>	This Non-fused Isolator Switch from our high-quality own brand RS PRO is designed with strong and durable material that is suitable for a multitude environments.

## Electrical Specifications

<b>Rated operational voltage Ue IEC &amp;EN</b>	690 V
<b>Rated operational voltage Ue UL</b>	600 V
<b>Rated impulse withstand voltage Uimp</b>	6 kV
<b>Rated uninterrupted current Iu</b>	100 A
<b>Rated operational current Ie AC22A</b>	100 A
<b>Rated operational current Ie AC21A</b>	100 A
<b>Rated operational current Ie AC1</b>	100 A
<b>Rated operational power AC23A (50/60Hz) 230V</b>	45 kW
<b>Rated operational power AC23A (50/60Hz) 415V</b>	55 kW
<b>Rated operational power AC23A (50/60Hz) 690V</b>	90 kW
<b>Rated operational power AC3 (50/60Hz) 230V</b>	37 kW
<b>Rated operational power AC3 (50/60Hz) 415V</b>	45 kW
<b>Rated operational power AC3 (50/60Hz) 690V</b>	55 kW
<b>UL power rating 3 phase DOL 110V</b>	7.5 hp
<b>UL power rating 3 phase DOL 230V</b>	20 hp
<b>UL power rating 3 phase DOL 480V</b>	30 hp
<b>UL power rating 3 phase DOL 600V</b>	40 hp
<b>UL power rating 1 phase DOL 110V</b>	3 hp
<b>UL power rating 1 phase DOL 230V</b>	7.5 hp
<b>UL short circuit fuse rating class J</b>	125 A
<b>UL rated fused short circuit current</b>	10 kA
<b>IEC short circuit capacity max fuse size GI</b>	125 A
<b>IEC rated fused short circuit current</b>	30 kA
<b>Maximum terminal capacity</b>	50 mm <sup>2</sup>

## Mechanical Specifications

Mounting Type	DIN rail mount
Length/ Height	87 mm
Width	68 mm
Depth	56 mm
Handle Length	64 mm
Handle Width	64 mm
Handle Depth	42 mm
Shaft Length	282 mm
Shaft Weight	0.284 Kg
Recommended Tightening Torque	2.5Nm

## Protection Category

IP Rating	IP65
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## Approvals

Compliance/Certifications	CB, CE, SEMKO, 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

# Non-Fused Switch Disconnectors



<b>Maximum gL Fuse Size IEC</b>	20A	20A	63A	63A
<b>Rated Fused Short Circuit Capacity IEC</b>	5kA	5kA	30kA	30kA
<b>Maximum Cable Capacity</b>		6mm <sup>2</sup>	10mm <sup>2</sup>	10mm <sup>2</sup>
<b>Mounting Type</b>	Panel Mount	Panel Mount	Panel Mount	Panel Mount
<b>Length</b>	175mm	220mm	220mm	220mm
<b>Width</b>	125mm	145mm	145mm	145mm
<b>Depth</b>	90mm	90mm	90mm	90mm
<b>Depth Including Switch</b>	134mm	134mm	134mm	134mm
<b>Recommended Tightening Torque</b>	1.7Nm	1.7Nm	2Nm	2Nm
<b>IP Rating</b>	IP65	IP54	IP54	IP65
<b>Compliance/Certifications</b>	UL 508, EN60947,	EN60947	UL 508	UL 508, EN60947
<b>Normal Operating Temperature</b>	-25°C to +40°C	-25°C to +40°C	-25°C to +40°C	-25°C to +40°C
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Non-inductive or slightly inductive loads, resistance furnaces</li> <li>• Squirrel - cage motors: starting, switching off motors during running</li> <li>• Control of AC electromagnetic loads</li> <li>• Switching of resistive loads, including moderate overloads</li> <li>• Switching of motor loads or other highly inductive loads</li> <li>• Switching of mixed resistive and inductive loads</li> </ul>	<ul style="list-style-type: none"> <li>• Non-inductive or slightly inductive loads, resistance furnaces</li> <li>• Squirrel - cage motors: starting, switching off motors during running</li> <li>• Control of AC electromagnetic loads</li> <li>• Switching of resistive loads, including moderate overloads</li> <li>• Switching of motor loads or other highly inductive loads</li> <li>• Switching of mixed resistive and inductive loads</li> </ul>	<ul style="list-style-type: none"> <li>Non-inductive or slightly inductive loads, resistance furnaces, Squirrel - cage motors, Control of AC electromagnetic loads</li> </ul>	<ul style="list-style-type: none"> <li>• Non-inductive or slightly inductive loads, resistance furnaces</li> <li>• Squirrel - cage motors: starting, switching off motors during running</li> <li>• AC Control electromagnetic loads</li> <li>• Switching of resistive loads, including moderate overloads</li> <li>• Switching of motor loads or other highly inductive loads</li> <li>• Switching of mixed resistive and inductive loads</li> </ul>