

## FEATURES

- Panel mounting
- Maximum current of 100 A
- Power rating of 55 kW
- Voltage rating of 690 V AC
- Switch rating of 30 kA
- Operating temperature range of -25°C to +80°C
- Some dust resistance and spray-resistant (IP54 Rating)
- Red handle colour
- Accepts padlocks
- Length of 270 mm
- Depth of 125 mm
- Auxiliary contacts available
- Three phases
- Four poles

## RS PRO Non-Fused Switch Disconnectors

RS Stock No.: 7738049

Allied SKU: 70826651



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

*When you need to work on an electrical circuit safely, you can use an isolation switch to separate it from the main source of power. This non-fused isolator switch from RS PRO will power down or isolate part of a circuit whenever you need to carry out maintenance on it.*

*As this is a non-fused device, you disconnect using a knife-blade or rotary function so it can be reset without replacing a fuse. It will operate at temperatures from -25°C to +80°C and 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 is dust resistant and can withstand water spray. You'll find these switches used in low voltage switchgear such as power distribution, load isolation and motor start/stop.*

## General Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Number of Poles</b>              | 4   |
| <b>Accepts Padlocks</b>             | Yes   |
| <b>Auxiliary Contacts Available</b> | Yes   |
| <b>Colour of base</b>               | RAL7043   |
| <b>Colour of Lid</b>                | RAL7032   |
| <b>Handle Type</b>                  | Handle included   |
| <b>Handle Colour</b>                | Red   |
| <b>Applications</b>                 | You can use an isolation switch to separate it from the main source of power. |

## Electrical Specifications

|  |                   |
|--|-------------------|
| <b>Electrical Phase</b>                          | 3                 |
| <b>Rated operational current Ie AC21A</b>        | 100 A             |
| <b>Rated operational current Ie AC22A</b>        | 100 A             |
| <b>Rated operational voltage Ue IEC &amp; EN</b> | 690 V             |
| <b>Rated operational power AC23A 380-440V</b>    | 55 kW             |
| <b>Rated operational power AC3 440V</b>          | 45 kW             |
| <b>Maximum gL fuse size IEC</b>                  | 125 A             |
| <b>Rated fused short circuit capacity IEC</b>    | 30 kA             |
| <b>Maximum Cable Capacity</b>                    | 50mm <sup>2</sup> |
| <b>Number of possible auxilliary contacts</b>    | 1                 |

## Mechanical Specifications

|                                      |             |
|--------------------------------------|-------------|
| <b>Mounting Type</b>                 | Panel mount |
| <b>Length/ Height</b>                | 270mm       |
| <b>Width</b>                         | 215mm       |
| <b>Depth</b>                         | 125mm       |
| <b>Depth including switch</b>        | 185mm       |
| <b>Recommended Tightening Torque</b> | 2.5Nm       |

## Operation Environment Specifications

|                                      |                |
|--------------------------------------|----------------|
| <b>Normal Operating Temperature</b>  | -25°C to +40°C |
| <b>Minimum Operating Temperature</b> | -25°C          |
| <b>Maximum Operating Temperature</b> | +40°C          |

## Protection Category

|                  |      |
|------------------|------|
| <b>IP Rating</b> | IP54 |
|------------------|------|

## Approvals

|              |                         |
|--------------|-------------------------|
| 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 <sup>2</sup>   | 10mm <sup>2</sup>   | 10mm <sup>2</sup>  |
| 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"> <li>Non-inductive or slightly inductive loads, resistance furnaces</li> </ul> | <ul style="list-style-type: none"> <li>Non-inductive or slightly inductive loads,</li> </ul> | <ul style="list-style-type: none"> <li>Non-inductive or slightly inductive loads, resistance furnaces,</li> </ul> | <ul style="list-style-type: none"> <li>Non-inductive or slightly inductive loads,</li> </ul> |



|  |  |   |  |  |
|--|--|---|--|--|
|  | <ul style="list-style-type: none"> <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> | <p>resistance furnaces</p> <ul style="list-style-type: none"> <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> | <p>Squirrel - cage motors,<br/>Control of AC electromagnetic loads</p> | <p>resistance furnaces</p> <ul style="list-style-type: none"> <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> |
|--|--|---|--|--|