

## FEATURES

- Easy installation
- Compact and reliable
- Finger protection
- Wiping contacts
- IP65 product rating (protection from total dust ingress)
- Padlockable handles
- Excellent switching and high short circuit capacity
- Flame retardant material
- Maximum voltage 750V
- ABS, metal-clad, diecast and stainless-steel versions available

## RS PRO Non-Fused Switch Disconnectors

RS Stock No.: 773-8020

Allied SKU: 70826644



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

Boxed isolator switch disconnecter from our high-quality own brand RS PRO is designed for use with low voltage switchgear such as power distribution, load isolation and motor start/stop. The RS PRO range comes in 3, 4 and 6 pole versions and has a power output available up to 90 kW.

## General Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Number of Poles</b>              | 4  |
| <b>Accepts Padlocks</b>             | Yes  |
| <b>Auxiliary Contacts Available</b> | Yes  |
| <b>Handle Type</b>                  | Metal enclosure with padlockable handle  |
| <b>Handle Colour</b>                | Red  |
| <b>Colour of base</b>               | RAL7043  |
| <b>Colour of Lid</b>                | RAL7032  |
| <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> |

## Electrical Specifications

|  |         |
|--|---------|
| <b>Electrical Phase</b>                          | 3       |
| <b>Maximum Current</b>                           | 25A     |
| <b>Voltage Rating</b>                            | 690V ac |
| <b>Switch Rating</b>                             | 5kA     |
| <b>Rated operational current Ie AC21A</b>        | 25A     |
| <b>Rated operational current Ie AC22A</b>        | 20 A    |
| <b>Rated operational voltage Ue IEC &amp; EN</b> | 690 V   |
| <b>Rated operational power AC23A 380-440V</b>    | 11 kW   |
| <b>Rated operational power AC3 440V</b>          | 7.5 kW  |

|  |                  |
|--|------------------|
| <b>Maximum gL fuse size IEC</b>                | 20A              |
| <b>Maximum Cable Capacity</b>                  | 6mm <sup>2</sup> |
| <b>Rated fused short circuit capacity IEC</b>  | 5kA              |
| <b>Neutral contact (early make/late break)</b> | 136-5280         |

## Mechanical Specifications

|                                      |             |
|--------------------------------------|-------------|
| <b>Mounting Type</b>                 | Panel Mount |
| <b>Length</b>                        | 220mm       |
| <b>Width</b>                         | 145mm       |
| <b>Depth</b>                         | 90mm        |
| <b>Depth including switch</b>        | 134mm       |
| <b>Recommended Tightening Torque</b> | 1.7Nm       |

## Operation Environment Specifications

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

## Protection Category

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

## Approvals

|                                  |         |
|----------------------------------|---------|
| <b>Compliance/Certifications</b> | EN60947 |
|----------------------------------|---------|

## 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              |

## Non-Fused Switch Disconnectors



|  |  |   |   |   |
|--|--|---|---|---|
| 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> <li>• Squirrel - cage motors: starting, switching off motors during running</li> <li>• 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> </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> </ul> |



|  |  |   |  |
|--|--|---|--|
|  | <ul style="list-style-type: none"> <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>• 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>• 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> |
|--|--|---|--|