

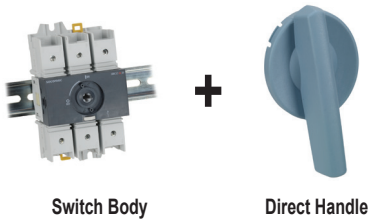
# SIRCO M UL 98

## Compact Non-Fusible Disconnect Switches

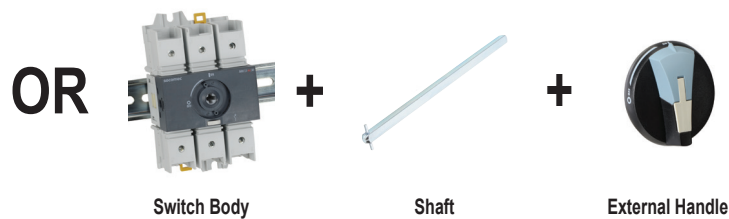


To assemble a switch, please select:

### Direct Operation



### External Operation



| UL 98 Compact Non-Fusible Disconnect Switches |                                                            |            |                |         |
|-----------------------------------------------|------------------------------------------------------------|------------|----------------|---------|
| Part Number*                                  | Description                                                | Amp Rating | Voltage Rating | Price   |
| <a href="#">22013003</a>                      | Non-fusible rotary 3-pole disconnect switch, M3 frame size | 30         | 600VAC         | \$65.00 |
| <a href="#">22013006</a>                      |                                                            | 60         | 600VAC         | \$76.00 |
| <a href="#">22003010</a>                      |                                                            | 100        | 600VAC         | \$88.00 |

\* These part numbers are direct replacements for previous part numbers with a "-UL" suffix. They have identical technical specs, form, fit and function. There is no change in agency approvals, the UL mark, listing, or File numbers E173959 and E201138.

| Handles – Defeatable and Lockable |                                                       |                        |              |             |              |         |
|-----------------------------------|-------------------------------------------------------|------------------------|--------------|-------------|--------------|---------|
| Part Number                       | Description                                           | Switch Body Rating (A) | Handle Color | Handle Type | NEMA/UL Type | Price   |
| <a href="#">22995032</a>          | Mounts directly on switch, no shaft required*         | 30 - 100               | Blue         | M01         | —            | \$4.50  |
| <a href="#">147D1111</a>          | External front and right side handles, shaft required | 16 - 100               | Black/Blue   | S00         | 4, 4X        | \$23.00 |
| <a href="#">147E1111</a>          |                                                       |                        | Red/Yellow   |             |              | \$23.00 |
| <a href="#">14831111</a>          |                                                       | 16 - 100               | Black/Blue   | S0          | 1, 3R, 12    | \$24.00 |
| <a href="#">14841111</a>          |                                                       |                        | Red/Yellow   |             |              | \$24.00 |
| <a href="#">148D1111</a>          |                                                       |                        | Black/Blue   |             | 4, 4X        | \$40.50 |
| <a href="#">148E1111</a>          |                                                       |                        | Red/Yellow   |             |              | \$40.50 |
| <a href="#">140F2111</a>          |                                                       |                        | Black/Blue   | S01         | 1, 3R, 12    | \$33.50 |
| <a href="#">140G2111</a>          |                                                       |                        | Red/Yellow   |             |              | \$33.50 |
| <a href="#">140D2111</a>          |                                                       |                        | Black/Blue   |             | 4, 4X        | \$49.50 |
| <a href="#">140E2111</a>          |                                                       |                        | Red/Yellow   |             |              | \$49.50 |



\* Not defeatable

| Shafts for External Handles |                        |             |             |             |         |
|-----------------------------|------------------------|-------------|-------------|-------------|---------|
| Part Number                 | Switch Body Rating (A) | Handle Type | Length (in) | Length (mm) | Price   |
| <a href="#">14070515</a>    | 16 - 100               | S00, S0     | 5.9         | 150         | \$4.50  |
| <a href="#">14070520</a>    |                        |             | 7.9         | 200         | \$5.75  |
| <a href="#">14070532</a>    |                        |             | 12.6        | 320         | \$7.25  |
| <a href="#">14040520</a>    |                        | S01         | 7.9         | 200         | \$10.50 |
| <a href="#">14040532</a>    |                        |             | 12.6        | 320         | \$13.00 |
| <a href="#">14040540</a>    |                        |             | 15.7        | 400         | \$21.00 |



# SIRCO M UL 98

## Compact Non-Fusible Disconnect Switches



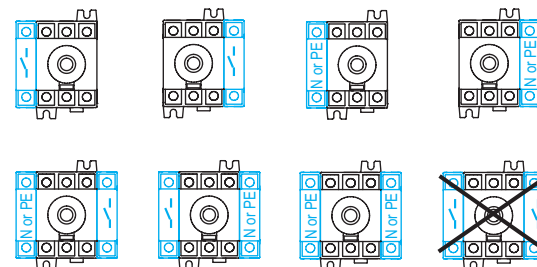
### Shaft Guide for External Handle

| Part Number              | Description                                                                                                                                                                                    | Handle Type     | Price  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|
| <a href="#">14190000</a> | This accessory makes alignment connections between the shaft and handle easier. Allows up to 15mm misalignment tolerance. Required for a shaft length over 300mm. Included with longer shafts. | S00, S0         | \$2.75 |
| <a href="#">14290000</a> |                                                                                                                                                                                                | S01, S1, S2, S3 | \$6.50 |

[14190000](#)

### Additional Poles

| Part Number*             | Description                                   | Switch Body Rating (A) | No. of Poles | Use                                                                                           | Price   |
|--------------------------|-----------------------------------------------|------------------------|--------------|-----------------------------------------------------------------------------------------------|---------|
| <a href="#">22011003</a> | Fourth pole module switched 600VAC 100kA SCCR | 30                     | 1            | Adding one additional pole transforms a non-fusible disconnect switch from 3 poles to 4 poles | \$19.50 |
| <a href="#">22011006</a> | Fourth pole module switched 600VAC 65kA SCCR  | 60                     | 1            |                                                                                               | \$22.50 |
| <a href="#">22001010</a> | Fourth pole module switched 600VAC 100kA SCCR | 100                    | 1            |                                                                                               | \$28.00 |
| <a href="#">22005011</a> | Solid neutral pole module unswitched 600VAC   | 30 - 100               | 1            | Transforms the 3-pole switch into a 3-pole + solid neutral                                    | \$23.50 |
| <a href="#">22009011</a> | Grounding pole module unswitched 600VAC       | 30 - 100               | 1            | Adds 1 ground module pole to the switch-disconnector                                          | \$23.50 |

[22011003](#)

4th Pole Configurations

\* These part numbers are direct replacements for previous part numbers with a "-UL" suffix. They have identical technical specs, form, fit and function. There is no change in agency approvals, the UL mark, listing, or File numbers E173959 and E201138.

### Terminal Shrouds

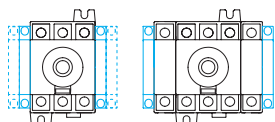
| Part Number              | Description                                                                                                          | Switch Body Rating (A) | No. of Poles | Price  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--------|
| <a href="#">22941011</a> | Terminal shroud line/load mount, 2 per pack, offers additional protection against direct contact with the terminals. | 30 - 100               | 1            | \$5.00 |
| <a href="#">22943016</a> |                                                                                                                      | 30 - 100               | 3            | \$7.75 |

[22941011](#)

### Auxiliary Contacts

| Part Number*             | Description                                                                                                                                                 | Switch Body Rating (A) | Contacts    | Price   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------|---------|
| <a href="#">22990001</a> | Auxiliary contact block module, 10A @ 240VAC, can be mounted on left or right side of switch, maximum 4 auxiliary contacts can be used (requires 2 modules) | 16 - 100               | 1 NO / 1 NC | \$18.50 |
| <a href="#">22990011</a> |                                                                                                                                                             | 16 - 100               | 2 NO        | \$20.00 |

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[22990001](#)

Auxiliary Contact Configurations

# SIRCO M UL 98

## Compact Non-Fusible Disconnect Switches



### Technical Characteristics

| Characteristics According to UL 98 / CSA 22.2#4             |                                |            |            |
|-------------------------------------------------------------|--------------------------------|------------|------------|
| DIN rail panel                                              | 22013003                       | 22013006   | 22003010   |
| General use rating (A)                                      | 30                             | 60         | 100        |
| Short-circuit rating at 480VAC (kA) <sup>1</sup>            | 100                            | 100        | 100        |
| Short-circuit rating at 600VAC (kA) <sup>1</sup>            | 100                            | 100        | 25         |
| Type of fuse                                                | J                              | J          | J          |
| Max fuse rating (A)                                         | 30                             | 60         | 100        |
| Max. motor hp / FLA 3-phase motor max.                      |                                |            |            |
| 220-240 VAC                                                 | 10 / 28                        | 20 / 54    | 20 / 54    |
| 440-480 VAC                                                 | 20 / 27                        | 40 / 52    | 50 / 65    |
| 600VAC                                                      | 25 / 27                        | 50 / 52    | 50 / 52    |
| Max. motor hp / FLA 1-phase motor max.                      |                                |            |            |
| 120VAC                                                      | 2 / 24                         | 3 / 34     | 5 / 56     |
| 240VAC                                                      | 5 / 28                         | 10 / 50    | 10 / 50    |
| Wire type/temperature                                       | Cu / 75°C (167°F)              |            |            |
| Product weight – lb (kg)                                    | 1.3 (0.6)                      |            |            |
| Wire range                                                  |                                |            |            |
| Solid (AWG)                                                 | #12-10                         | #12-10     | #12-10     |
| Torque – lb·in (N·m)                                        | 35.4 (4)                       | 35.4 (4)   | 35.4 (4)   |
| Stranded (AWG)                                              | #10-1                          | #10-1      | #10-1      |
| Torque – lb·in (N·m)                                        | 35.4 (4)                       | 35.4 (4)   | 35.4 (4)   |
| Stranded (AWG)                                              | 1/0                            | 1/0        | 1/0        |
| Torque – lb·in (N·m)                                        | 39.8 (4.5)                     | 39.8 (4.5) | 39.8 (4.5) |
| Stranded (AWG)                                              | 2/0                            | 2/0        | 2/0        |
| Torque – lb·in (N·m)                                        | 44.3 (5)                       | 44.3 (5)   | 44.3 (5)   |
| Mechanical characteristics                                  |                                |            |            |
| Endurance (number of operating cycles)                      | 10,000                         | 10,000     | 10,000     |
| Operating torque (lb·in / N·m)                              | 12.4 / 1.4                     | 12.4 / 1.4 | 12.4 / 1.4 |
| Environmental - switch body                                 |                                |            |            |
| Operating temperature <sup>2</sup>                          | -20°C to 70°C (-4°F to +158°F) |            |            |
| Flammability rating                                         | UL 94-V0                       |            |            |
| Mounting                                                    | 35mm DIN rail or panel mount   |            |            |
| Auxiliary contacts                                          |                                |            |            |
| Electrical characteristics                                  | A300                           | A300       | A300       |
| Agency approvals                                            |                                |            |            |
| UL file # E201138 (UL 98), CSA file # 112964 (C22.2 NO. 14) |                                |            |            |

<sup>1</sup> Short-circuit rating achieved when used with corresponding fuse type and max fuse rating.

<sup>2</sup> At temperatures above 40°C, the current rating of the switch has to be de-rated 1% per °C over 40°C. Example: At 60°C a 100A switch is rated 80A.

Note: These part numbers are direct replacements for previous part numbers with a "-UL" suffix. They have identical technical specs, form, fit and function. There is no change in agency approvals, the UL mark, listing, or File numbers E173959 and E201138.

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

# SIRCO M UL 98

## Compact Non-Fusible Disconnect Switches



### Technical Characteristics (Continued)

| Characteristics According to IEC 60647-3                                             |                 |                 |                 |
|--------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
|                                                                                      | <u>22013003</u> | <u>22013006</u> | <u>22003010</u> |
| <b>Thermal current <math>I_{th}</math> at 40°C (A)</b>                               | 30              | 60              | 100             |
| <b>Rated insulation voltage <math>U_i</math> (V)</b>                                 | 800             | 800             | 800             |
| <b>Rated impulse withstand voltage <math>U_{imp}</math> (kV)</b>                     | 8               | 8               | 8               |
| <b>Rated operational currents <math>I_e</math></b>                                   |                 |                 |                 |
| <b>400VAC / AC-22A utilization category (A)<sup>1</sup></b>                          | 32              | 63              | 100             |
| <b>400VAC / AC-23A utilization category (A)<sup>1</sup></b>                          | 32              | 63              | 100             |
| <b>690VAC / AC-22A utilization category (A)<sup>1</sup></b>                          | 32              | 63              | 80              |
| <b>690VAC / AC-23A utilization category (A)<sup>1</sup></b>                          | 32              | 63              | 63              |
| <b>Operational power in AC-23 (kW)<sup>2/3</sup></b>                                 |                 |                 |                 |
| <b>@ 400VAC without prebreak AC in AC-23</b>                                         | 15              | 30              | 45              |
| <b>@ 500VAC without prebreak AC in AC-23</b>                                         | 15              | 30              | 45              |
| <b>@ 690VAC without prebreak AC in AC-23</b>                                         | 18.5            | 30              | 45              |
| <b>Overload capacity (<math>U_e</math> 415VAC)</b>                                   |                 |                 |                 |
| <b>Rated short-circuit making capacity <math>I_{cm}</math> (kA peak)<sup>4</sup></b> | 12              | 12              | 12              |
| <b>Connection</b>                                                                    |                 |                 |                 |
| <b>Min. connection section (mm<sup>2</sup>)</b>                                      | 2.5             | 2.5             | 10              |
| <b>Max. connection section (mm<sup>2</sup>)</b>                                      | 70              | 70              | 70              |

<sup>1</sup>Category with index A = frequent operation.

<sup>2</sup>A/B: Category with index A = frequent operation - Category with index B = infrequent operation.

<sup>3</sup>The power value is given for information only, the current values vary from one manufacturer to another.

<sup>4</sup>For a rated operating voltage  $U_e$  = 400VAC

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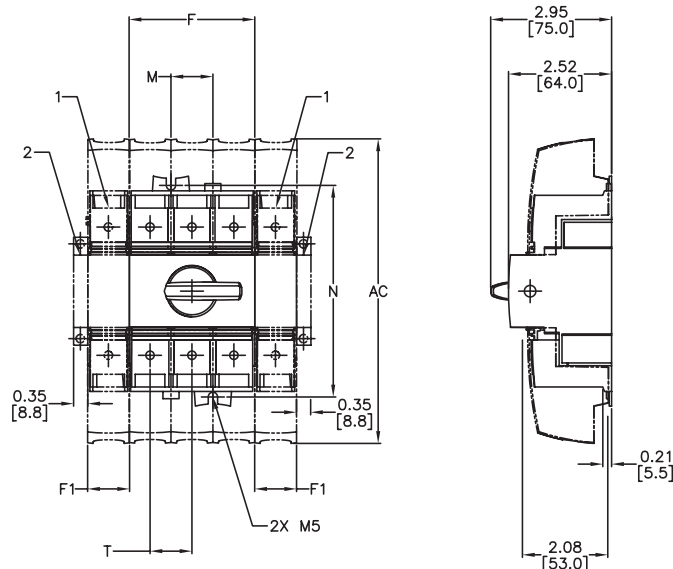
# SIRCO M UL 98

## Compact Non-Fusible Disconnect Switches



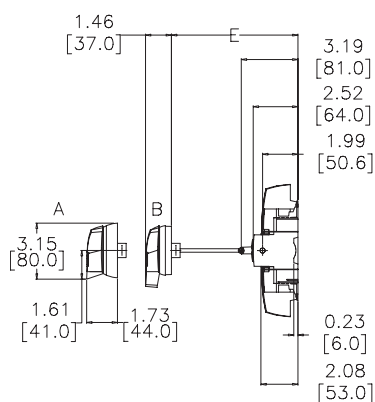
### Dimensions [inches/mm]

Direct operation with handle

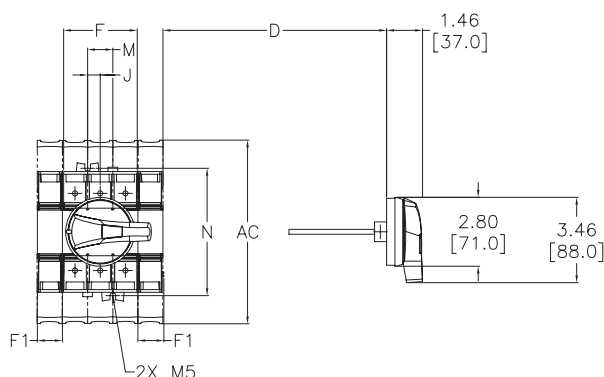


1. Location for: 1 switched fourth pole module (1 per device max), or 1 unswitched neutral pole module, or 1 auxillary contact module
  2. Position for auxillary contact module
- NOTE: MAX OF 2 ADDITIONAL BLOCK MODULES

External front operation



External side operation



### Dimensions

| Switch Body Rating (A) / Frame Size | Units | Overall Dimensions |       |       |       | Terminal Shrouds AC | Switch Body |      |       |      | Switch Mounting |       | Connection |
|-------------------------------------|-------|--------------------|-------|-------|-------|---------------------|-------------|------|-------|------|-----------------|-------|------------|
|                                     |       | D min              | D Max | E min | E max |                     | F           | F1   | G     | J    | M               | N     |            |
| 100 / M3                            | in    | 1.18               | 7.87  | 3.94  | 14.65 | 7.44                | 3.07        | 1.02 | 4.91  | 0.51 | 1.02            | 5.17  | 1.02       |
|                                     | mm    | 30                 | 201   | 100   | 372   | 189                 | 78          | 26   | 124.6 | 13   | 26              | 131.4 | 26         |

Please see our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

# Accessories Dimensions

## Handles

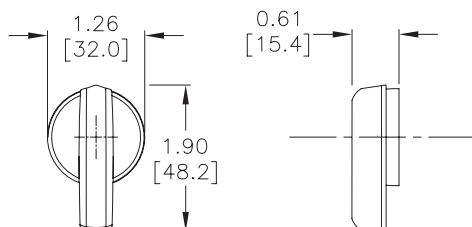
[inches/mm]



### Direct Handle for UL 98 Compact Non-Fusible Disconnect Switches

**22995032**

#### Handle Dimensions



### External Handles for UL 98 Compact Non-Fusible Disconnect Switches

#### S00 Type

| Handle Dimensions | Direction of Operation | Door Drilling |
|-------------------|------------------------|---------------|
|                   |                        |               |

#### S0 Type

| Handle Dimensions | Direction of Operation | Door Drilling |
|-------------------|------------------------|---------------|
|                   |                        |               |

#### S01 Type

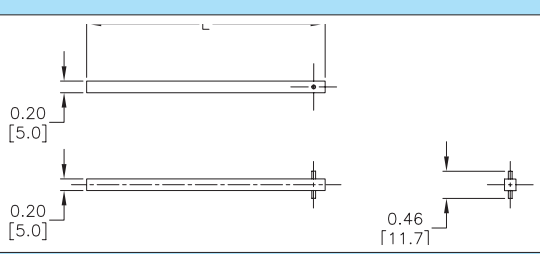
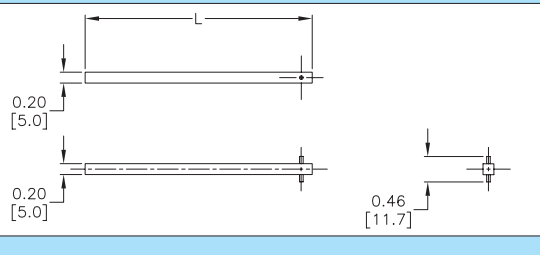
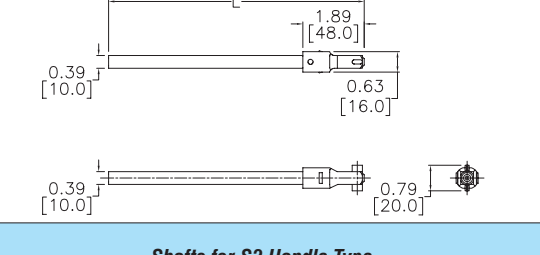
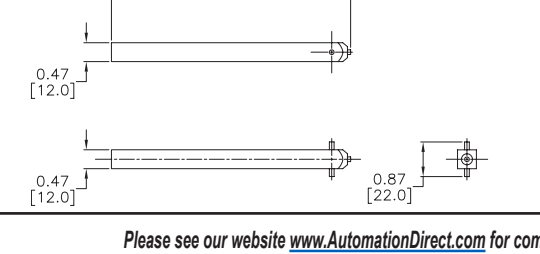
| Handle Dimensions | Direction of Operation | Door Drilling |
|-------------------|------------------------|---------------|
|                   |                        |               |

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# Accessories Dimensions

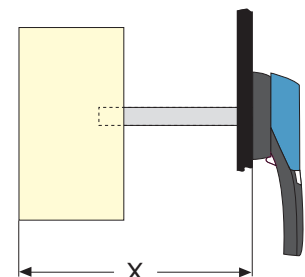
## Shafts for Non-Fusible Disconnect Switches

[inches/mm]

| Shafts for Non-Fusible Disconnect Switches                                          |                          |                        |        |     |
|-------------------------------------------------------------------------------------|--------------------------|------------------------|--------|-----|
| Shafts for S00, S0 Handle Type                                                      | Part Number              | Switch Body Rating (A) | Length |     |
|                                                                                     |                          |                        | in     | mm  |
|    | <a href="#">14070515</a> | 16 - 100               | 5.9    | 150 |
|                                                                                     | <a href="#">14070520</a> |                        | 7.9    | 200 |
|                                                                                     | <a href="#">14070532</a> |                        | 12.6   | 320 |
| Shafts for S01 Handle Type                                                          | Part Number              | Switch Body Rating (A) | Length |     |
|                                                                                     |                          |                        | in     | mm  |
|    | <a href="#">14040520</a> | 16 - 100               | 7.9    | 200 |
|                                                                                     | <a href="#">14040532</a> |                        | 12.6   | 320 |
|                                                                                     | <a href="#">14040540</a> |                        | 15.7   | 400 |
| Shafts for S1, S2 Handle Type                                                       | Part Number              | Switch Body Rating (A) | Length |     |
|                                                                                     |                          |                        | in     | mm  |
|  | <a href="#">14001020</a> | 100 - 400              | 7.9    | 200 |
|                                                                                     | <a href="#">14001032</a> |                        | 12.6   | 320 |
|                                                                                     | <a href="#">14001040</a> |                        | 15.7   | 400 |
| Shafts for S3 Handle Type                                                           | Part Number              | Switch Body Rating (A) | Length |     |
|                                                                                     |                          |                        | in     | mm  |
|  | <a href="#">14011520</a> | 600                    | 7.9    | 200 |
|                                                                                     | <a href="#">14011532</a> |                        | 12.6   | 320 |
|                                                                                     | <a href="#">14011540</a> |                        | 15.7   | 400 |

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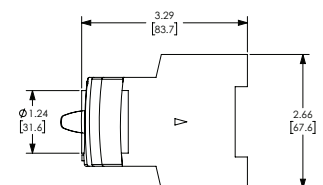
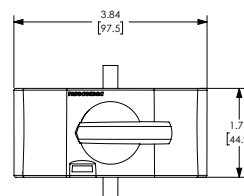
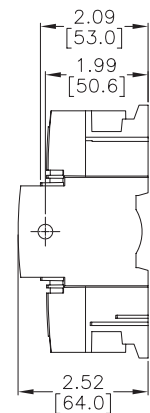
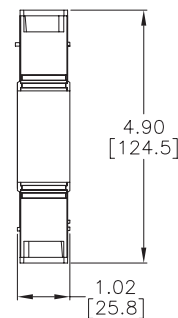
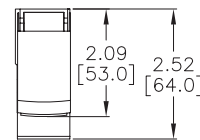
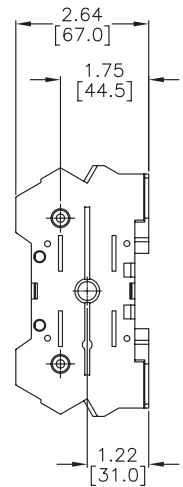
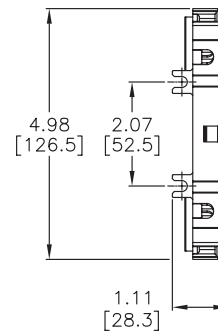
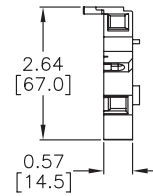
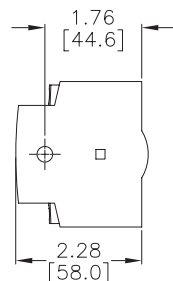
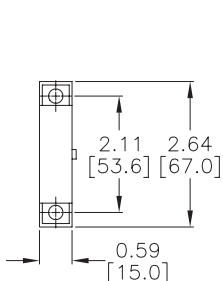
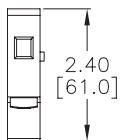
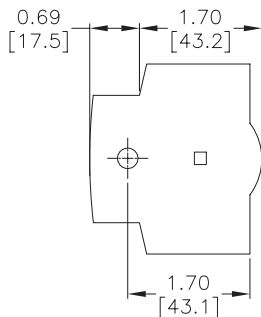
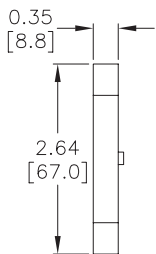
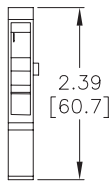
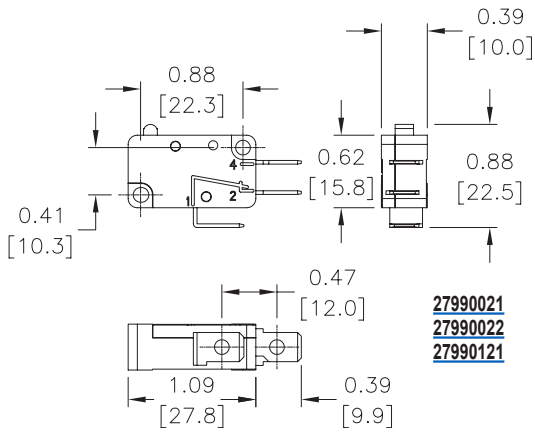
| Shaft Length Minimum Dimensions                                             |              |           |             |        |     |                          |
|-----------------------------------------------------------------------------|--------------|-----------|-------------|--------|-----|--------------------------|
| Use standard lengths:<br>7.9 in / 200mm – 12.6 in / 320mm – 15.7 in / 400mm |              |           |             |        |     |                          |
| Switch Body Rating (A)                                                      | Dimension X  |           | Handle Type | Length |     | Part Number              |
|                                                                             | in           | mm        |             | in     | mm  |                          |
| 100 - 400                                                                   | 5.31 - 10.43 | 135 - 265 | S2          | 7.9    | 200 | <a href="#">14001020</a> |
| 100 - 400                                                                   | 5.31 - 15.16 | 135 - 385 | S2          | 12.6   | 320 | <a href="#">14001032</a> |
| 100 - 400                                                                   | 5.31 - 18.31 | 135 - 465 | S2          | 15.7   | 400 | <a href="#">14001040</a> |
| 600                                                                         | 8.70 - 13.50 | 221 - 343 | S3          | 7.9    | 200 | <a href="#">14011520</a> |
| 600                                                                         | 8.70 - 18.23 | 221 - 463 | S3          | 12.6   | 320 | <a href="#">14011532</a> |
| 600                                                                         | 8.70 - 21.38 | 221 - 543 | S3          | 15.7   | 400 | <a href="#">14011540</a> |



# Accessories Dimensions

## Auxiliary Contacts and Additional Poles

[inches/mm]

Please see our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.





# Disconnect Switches

## Introduction

### **UL®/CSA® Standards for Disconnect Switches**

#### **UL 98 – Enclosed and Deadfront Switches (CSA C22.2 No. 4)**

These requirements cover enclosed or deadfront switches, with or without provision for fuses, at 600V or less. These products are used as disconnecting means without restrictions; they are heavy-duty products requiring 2 inches (50mm) minimum of creepage distance between phases, which gives maximum safety for users and installation. The short-circuit withstand of these products goes up to 200kA.

#### **UL 489 – Molded Case Switches (CSA C22.22 No. 5)**

These requirements cover molded case circuit breakers, molded case switches and fused molded case switches, rated at 600V or less and 6000A or less.

### **NFPA® 79 Electrical Standard for Industrial Machinery**

The following types of machines are identified as industrial machinery:

- Metalworking machine tools, including machines that cut or form metal
- Plastics machinery
- Wood machinery, including woodworking, laminating and sawmill machines
- Assembly machines
- Material handling machines, including industrial robots and transfer machines
- Inspection and testing machines, including coordinate measuring and in-process gauging machines

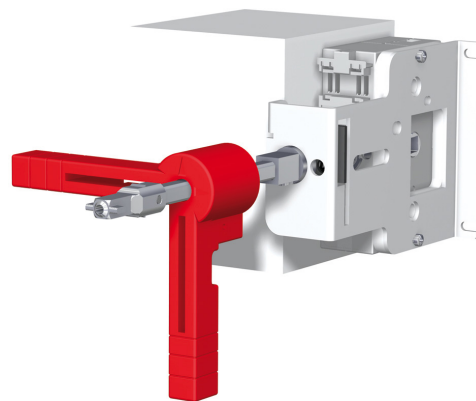
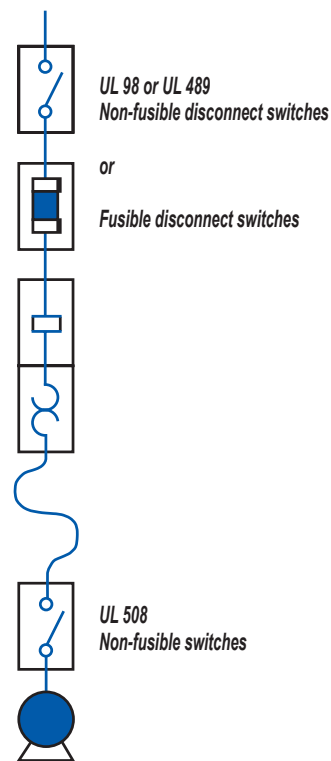
### **UL® Standards for Electrical Machinery**

#### **UL 508 – Industrial Control Equipment (CSA C22.2 No. 14)**

These requirements cover manual, magnetic and solidstate starters and controllers, overload relays, pushbuttons, selector switches and control lights. These products are smaller, requiring only a creepage distance between phases of 0.50 inch (12.7 mm). Their use as a disconnecting means is limited to local disconnection of motors. These products can be used as a disconnect means only when they have been additionally tested "suitable as motor disconnect." This additional testing ensures that the switch has a proper closing capacity on a short circuit.

UL 508 devices **cannot** be used as main disconnect of an electrical panel, e.g., at the entrance of control panels. A manual motor controller marked "suitable as motor disconnect" shall be installed only on the load side of the branch circuit protective device [UL 508A 30.3.3 and NEC 430.109 (6)].

#### **Typical Control Panel**



### **Meeting the requirements of UL508A and NFPA79**

#### **The disconnect shall be operable independent of the door position.**

The disconnect must be operable, by qualified persons, independent of the door position without the use of accessory tools or devices.

**Note:** NFPA 79; Paragraph 5.3.3.1 (5).

An operating mechanism for the disconnecting means shall be operable independent of the door position without the use of accessory tools or devices.

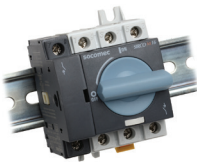
**Note:** UL 508A; Paragraph 66.6.3 c.

# Non-Fusible Disconnect Switches



## Selection Guide

- Which application?
- Which function?
- Which operation handle?
- Which type of breaking?

| Machine Control                                                                   |                                                                                                                                                                                               |                                                                                    | Power Distribution                                                                                                                                                |                                                                                                              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| UL 98 Compact Non-Fusible Disconnect Switches                                     | UL 508 Non-Fusible Disconnect Switches*                                                                                                                                                       | UL 508 Non-Fusible Enclosed Disconnect Switches                                    | UL 98 Non-Fusible Disconnect Switches                                                                                                                             | UL 98B DC Non-Fusible Disconnect Switches                                                                    |
|  |                                                                                                              |  |                                                                                |                           |
| <a href="#">22013003</a><br><a href="#">22013006</a><br><a href="#">22003010</a>  | <a href="#">22003000</a> , <a href="#">22003001</a><br><a href="#">22003002</a> , <a href="#">22003003</a><br><a href="#">22003004</a> , <a href="#">22003006</a><br><a href="#">22003008</a> | <a href="#">22143503</a><br><a href="#">22243503</a><br><a href="#">22243506</a>   | <a href="#">27003011</a> , <a href="#">27004011</a><br><a href="#">27003021</a> , <a href="#">27004021</a><br><a href="#">27003041</a> , <a href="#">27003060</a> | <a href="#">27DC3011</a><br><a href="#">27DC4011</a><br><a href="#">27DC3021</a><br><a href="#">27DC4021</a> |

| Applications                           |                           |   |   |   |   |
|----------------------------------------|---------------------------|---|---|---|---|
| Main switchboard                       |                           | ✓ | ✓ | ✓ | ✓ |
| Distribution panel                     |                           | ✓ | ✓ | ✓ | ✓ |
| Emergency disconnect                   |                           | ✓ | ✓ | ✓ | ✓ |
| Local safety disconnect (padlockable)  |                           | ✓ | ✓ | ✓ | ✓ |
| Photovoltaic disconnect                |                           |   |   |   | ✓ |
| Enclosed switches                      |                           | ✓ | ✓ | ✓ | ✓ |
| Functions                              |                           |   |   |   |   |
| 3/4 pole non-fusible disconnect switch |                           | ✓ | ✓ | ✓ | ✓ |
| Characteristics                        |                           |   |   |   |   |
| Operation                              | Manual (rotating)         | ✓ | ✓ | ✓ | ✓ |
| Direct operation handle                | Front                     | ✓ | ✓ | ✓ | ✓ |
| External operation handle              | Front                     | ✓ | ✓ | ✓ | ✓ |
|                                        | Right side                | ✓ | ✓ |   |   |
| Indication of breaking                 | Positive break indication | ✓ | ✓ | ✓ | ✓ |
| Switch body                            | Modular                   | ✓ | ✓ |   |   |

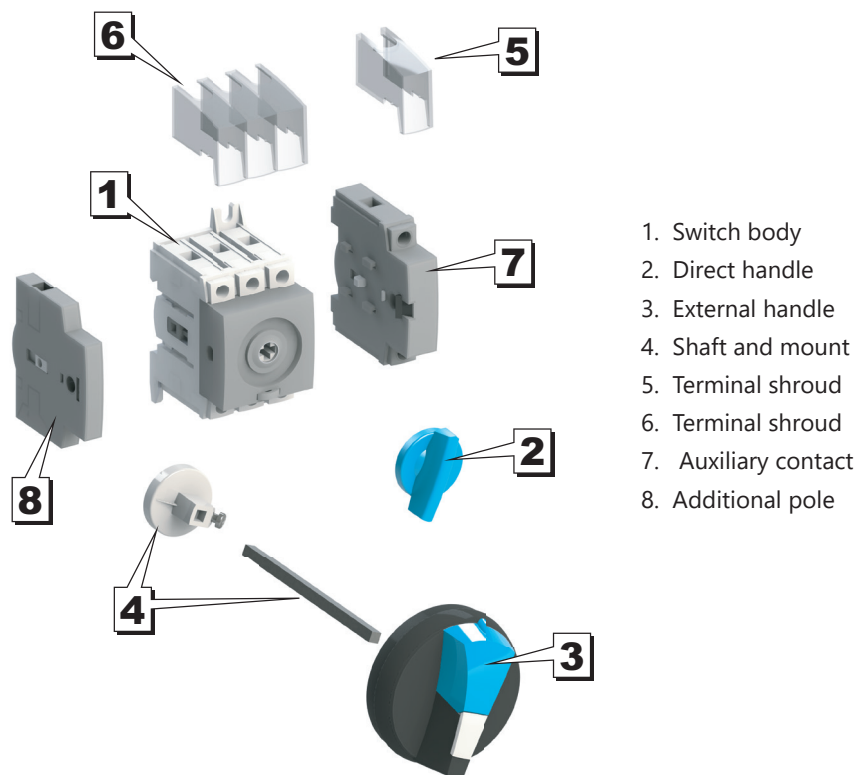
\* Note: These part numbers are direct replacements for previous part numbers with a "-UL" suffix. They have identical technical specs, form, fit and function. There is no change in agency approvals, the UL mark, listing, or File numbers E173959 and E201138.

# Non-Fusible Disconnect Switches

## Assembly of Accessories



### Non-fusible 16 - 100A Disconnect Switches Accessories



### Non-fusible 100 - 600A Disconnect Switches Accessories

