

# Vistop 63 to 160 A Isolating switches

Catalogue number(s) : 225 12/15/16/18/20/22/25/27  
225 34/39/44/46/51/53/54/56  
223 12/15/16/18/20/22/27/34/39/51/53

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## 1. USE

Safety isolating switches with visible full load break and positive action of the contacts. Double breaking of the phases by self-cleaning contacts with rapid make and break movement.

## 2. RANGE

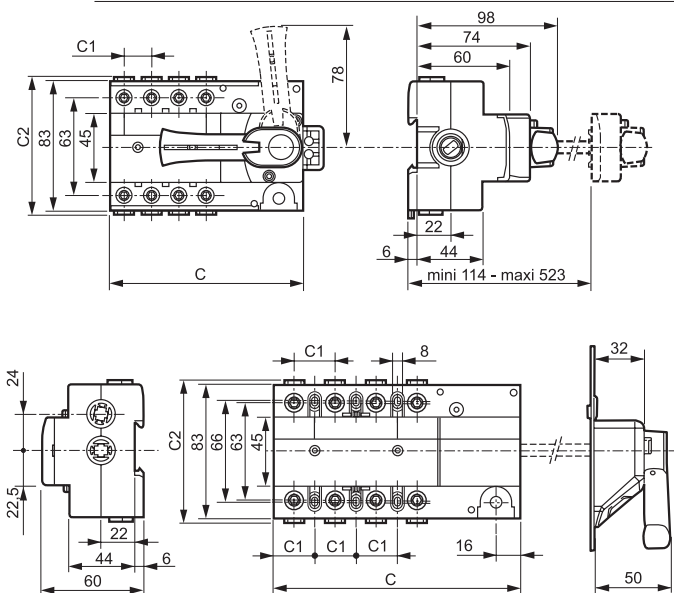
- 3-pole and 4-pole 63 - 100 - 125 - 160 A
- 2 versions for mounting on faceplate :
  - with left or right side handle.
  - external : supplied complete with a seal to maintain the IP (up to IP 55) protection of the housing, mounting accessories, self-adhesive drilling template, adjustable extension shaft (30 to 170 mm).
  - direct or external front handle with Cat. No. 227 32 to be ordered separately.
  - label holder for identification
  - connection via cage terminals with PZ2 screw clamping (63A) and Allen key (100 to 160A).
  - screw fixing or on rail EN 50022 (only on rail for Vistop 63 A).
  - option of attaching a 2P – 16A auxiliary isolating switch (for 100 and 160 A ratings) and one or two auxiliary NC + NO contacts.

|                             | Number of 17.5 mm modules |                                    |
|-----------------------------|---------------------------|------------------------------------|
|                             | Front handle              | External right or left side handle |
| <b>63 A</b>                 |                           |                                    |
| Black handle                |                           |                                    |
| 3-pole                      | 7                         | 7                                  |
| 4-pole                      | 7                         | 7                                  |
| Red handle/yellow faceplate |                           |                                    |
| 3-pole                      | 7                         | 7                                  |
| 4-pole                      | 7                         | 7                                  |
| <b>100 A</b>                |                           |                                    |
| Black handle                |                           |                                    |
| 3-pole                      | 7.5                       | 7.5                                |
| 4-pole                      | 9                         | 9                                  |
| Red handle/yellow faceplate |                           |                                    |
| 3-pole                      | 7.5                       | -                                  |
| 4-pole                      | 9                         | 9                                  |
| <b>125 A</b>                |                           |                                    |
| Black handle                |                           |                                    |
| 3-pole                      | 7.5                       | 7.5                                |
| 4-pole                      | 9                         | 9                                  |
| Red handle/yellow faceplate |                           |                                    |
| 3-pole                      | 7.5                       | -                                  |
| 4-pole                      | 9                         | -                                  |

## 2. RANGE (continued)

|                             | Number of 17.5 mm modules |                                    |
|-----------------------------|---------------------------|------------------------------------|
|                             | Front handle              | External right or left side handle |
| <b>160 A</b>                |                           |                                    |
| Black handle                |                           |                                    |
| 3-pole                      | 7.5                       | 7.5                                |
| 4-pole                      | 9                         | 9                                  |
| Red handle/yellow faceplate |                           |                                    |
| 3-pole                      | 7.5                       | -                                  |
| 4-pole                      | 9                         | -                                  |

## 3. OVERALL DIMENSIONS



|    | Front handle |                     |     | External side handle |                     |     |
|----|--------------|---------------------|-----|----------------------|---------------------|-----|
|    | 63 A         | 100 A, 125 A, 160 A |     | 63 A                 | 100 A, 125 A, 160 A |     |
|    | 3-, 4-poles  | 3P                  | 4 P | 3-, 4-poles          | 3 P                 | 4 P |
| C  | 125          | 133                 | 160 | 125                  | 133                 | 160 |
| C1 | 17.7         | 26.7                |     | 17.7                 | 26.7                |     |
| C2 | 91           | 91                  |     | 91                   | 91                  |     |

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## 4. TECHNICAL FEATURES

|                                                     | Vistop                                                               |                                                        |                                         |                          | Isolating switch 16 A |
|-----------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|--------------------------|-----------------------|
| Thermal rating (Ith)                                | 63 A                                                                 | 100 A                                                  | 125 A                                   | 160 A                    |                       |
| Terminals                                           | cage                                                                 | cage                                                   | cage                                    | cage                     | cage                  |
| con-<br>nection                                     | Cu (flexible)                                                        | 4 to 35 <sup>2</sup>                                   | 4 to 50 mm 6 <sup>2</sup>               |                          | 6 <sup>2</sup>        |
|                                                     | Cu (rigid)                                                           | 4 to 50 <sup>2</sup>                                   | 4 to 70 mm 6 <sup>2</sup>               |                          | 6 <sup>2</sup>        |
| Insulation voltage (Ui)                             | 690 V ac                                                             | 800 V ac                                               | 800 V ac                                | 800 V ac                 | 400 V ac              |
| Impulse withstand voltage (Uimp)                    | 8 Kv ac                                                              | 8 Kv ac                                                | 8 Kv ac                                 | 8 Kv ac                  | -                     |
| AC 22 A                                             | 400 V                                                                | 63 A (35 kW)                                           | 100 A (55 kW)                           | 125 A (70 kW)            | 160 A (88 kW)         |
| AC 23 A <sup>(1)</sup>                              | 500 V                                                                | 63 A (44 kW)                                           | 100 A (69 kW)                           | 125 A (87 kW)            | 160 A (110 kW)        |
|                                                     | 690 V                                                                | 40 A (38 kW)                                           | 100 A (96 kW)                           | 125 A (120 kW)           | 125 A (120 kW)        |
| DC 22 A/250 V <sup>(1)(2)</sup>                     | *                                                                    | 100                                                    | 125                                     | 125                      | 16 A                  |
| DC 23 A/250 V <sup>(1)(2)</sup>                     | *                                                                    | 100                                                    | 125                                     | 125                      | 10 A                  |
| Breaking capacity (kA peak)                         | 15                                                                   | 15                                                     | 15                                      | 15                       | 2                     |
| 1 s resistant current (kA efficacy) (Icw)           | 2.5                                                                  | 3.5                                                    | 3.5                                     | 3.5                      | 0.3                   |
| Icc with fuses (kA rms)                             | 100                                                                  | 100                                                    | 100                                     | 80                       | 100                   |
| Max rating of fuses                                 | 63 A                                                                 | 100 A (gG)<br>63 A (aM) <sup>(3)</sup>                 | 125 A (gG)<br>125 A (aM) <sup>(3)</sup> | 160 A (gG)<br>125 A (aM) | -                     |
| Short-circuit capacity (Icm prospective peak) (Icm) | 7                                                                    | 12                                                     | 12                                      | 12                       | 1                     |
| Mechanical endurance (No. of operations)            | > 30 000                                                             | > 30 000                                               | > 30 000                                | > 30 000                 | > 30 000              |
| Index of protection                                 | IP 2x B<br>IP 3x C<br>under faceplate)<br>à partir de 6 <sup>2</sup> | IP 2x B (IP 3x C under faceplate) from 10 <sup>2</sup> |                                         |                          |                       |

(1) Test conditions in accordance with IEC 60947-3

AC = alternating current DC = direct current A = use with frequent operations

AC 22 A/DC 22 A: resistive motor breaking

AC 23 A/DC 23 A: inductive motor breaking

(2) Number of breaking contacts: 2

(3) 100 A (aM) in blade-type cartridge fuses

(4) Values correspond to the device mounted on Vistop 100 - 125 - 160 A

## Consumption when hot at rated current according to IEC 947.1

| Rating | Consumption |
|--------|-------------|
| 63 A   | 0.8 W       |
| 100 A  | 2.1 W       |
| 125 A  | 3.3 W       |
| 160 A  | 5.3 W       |

Storage temperature: - 10°C to + 70°C.

Operating temperature: - 5°C to + 40°C.

Materials:

- Casing in polyamide 960°C

- Indicator light in polycarbonate 750°C

## 5. CONFORMITY

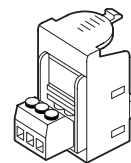
Conform to standards NF C 63-130, NF EN 60943-3, IEC 60947-3, BS EN 60947-3, VDE 0660, NBN EN 60947-3, CNOMO E03 - 15-611 R, Veritas approved

## 6. INSTALLATION

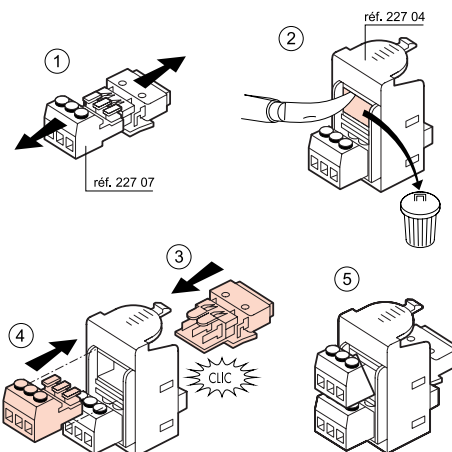
- Fixing
- Vistop 63 A: fixing on rail
- Vistop 100 - 125 - 160 A: Screw-fixing or on rail with bistable claws with locking
- Connection: cage terminals tightened with Allen key (6 Nm), except 63A with a PZ2

## 7. ACCESSORIES

### 227 04 Contact 0 + C

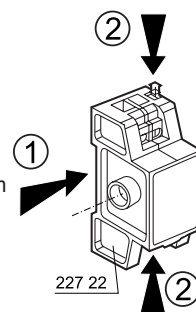


### 227 07 Additional NO + NC auxiliary contact, adds to the 227 04 for 2 N/C + 2 N/O mounting



### 227 22 Auxiliary isolating switch 2P 16A 400 V. Cage terminals

1.5 module  
For creating 3 or 4-pole assemblies 100, 125 and 160 A, + 2-pole 16A  
Enables simultaneous breaking of 2-pole auxiliary power supply, 16 A maximum  
Mounts on the left side of Vistop 100 to 160 A



### 227 98 Set of two divisible, sealable terminal shields

Prevents access to the connection and fixing screws for application of commercial sector tariff (Vistop 100 to 160 A)



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## 7. ACCESSORIES (continued)

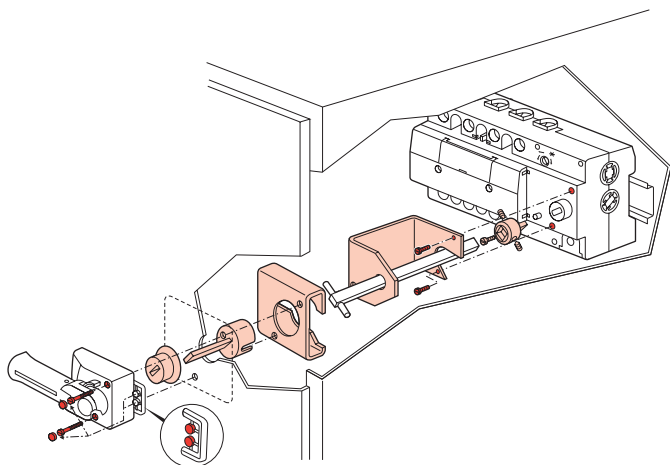
- 048 67** Distribution terminal – 6 outputs,  
25 mm<sup>2</sup> mounts directly in the down-  
stream terminal of the Vistop



- 227 32** External  
front handle

Kit comprising: connecting rod, bracket,  
self-adhesive drilling template, mounting  
accessories including a seal for maintain-  
ing IP 55 protection of the housing, and  
locking mechanism preventing the door  
being opened when the circuit is closed.

For Vistop 63, 100, 125 and 160 A : door  
distance 35 to 470 mm.



- 227 97** Security padlock supplied with two  
keys

(different key combination for  
each padlock).  
Shackle Ø 6 mm

