

# SWITCH DISCONNECTORS

**VCP 32 ÷ 3150 A**



## **\_GENERALITIES**

VISUALCOMPACT P is a range of switch disconnectors suitable for making and breaking on load and disconnecting low voltage electrical circuits. They are commonly used for the following purposes:

- Main switch
- Switch for motors
- Disconnecter
- Safety switch

They are available in 6 sizes and 20 current ratings.

## **\_GENERAL CHARACTERISTICS**

Rated insulation voltage 1500 v ac and 1500 v dc  
 3 - 4 - 6 - 8 Poles available  
 High breaking capacity (AC-22, AC-23, IEC 60947-3)  
 High electrical and mechanical endurance  
 Double break contacts  
 Self cleaning contacts  
 Contact position positively reliable indicated by the handle  
 Visibility of fixed and moving contacts by means of windows  
 Independent manual operation  
 Neutral contact makes earlier and opens later than the phase contacts  
 Solid neutral version available  
 Neutral at full current until 1250 a, standard, 1600 a ± 3150 a on request  
 Suitable protection to prevent accidental touching of live parts  
 Casing in self-extinguishing (v0), low hygroscopic and high mechanical resistance  
 Isolating material resistant to damp heat  
 Wide range of accessories  
 Rotary front operation by means of: external double insulated handle with door-interlock in ON position, IP65 degree of protection. Padlockable with three padlocks in OFF position  
 Direct handle (padlockable in off position on request)



## **\_NORMAL SERVICE, MOUNTING AND TRANSPORT CONDITIONS**

Storage and transport ambient temperature - 25°C + 55°C  
 Working ambient temperature - 20°C + 40°C  
 In case of higher ambient temperature ( $t_a$ ) consider the following derating formula:

$$I_{the} = k I_{th} \text{ where } k = 1 - \frac{t_a - 40}{100}$$

Relative humidity max 95%  
 Rated frequency 50 - 60 hz  
 Altitude max 2000 m a.S.L.

Pollution degree 3 according IEC 60947-1  
 Can be mounted in any position, for what concerns the positioning, please refer to the installation instructions  
 Mounting in enclosure: in case of utilisation at full load and without adequate ventilation, ensure a volume of about 5 times the volume of the switch  
 Duty (IEC 60947-1): 8 hours; uninterrupted; intermittent 60% class 30; temporary; periodic.

For different operating conditions, please contact the manufacturer.

## **\_CONFORMITY TO STANDARDS**

IEC 60947-1|IEC 60947-3|UNI EN 60947-1|UNI EN 60947-3

## **\_CERTIFICATES AND APPROVALS**

KEMA | RINA | ENEL code 13.32.23 | A2A | CESI | IENGF | EAC

Standard shaft length 200 mm included in the package.

For solid neutral switches add "SN" to the code of corresponding four pole switch.

For full current switches (standard until 1250A) add "FN" to the code of corresponding four pole switch from 1600 A onward up to.

| Caratteristiche tecniche<br>_Technical Features                                       | Tipo<br>_Type                       |                 | VC1P  |       |       |       |       |       |         | VC2P  |       |       |          |
|---|-------------------------------------|-----------------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|----------|
|   | Corrente nominale<br>_Rated current | In              | A     | 32    | 45    | 63    | 80    | 100   | 125     | 160   | 160   | 200   | 250      |
| Tensione nominale d'isolamento<br>_Rated insulation voltage                           | Ui                                  | V               | 1500  | 1500  | 1500  | 1500  | 1500  | 1500  | 1500    | 1500  | 1500  | 1500  | 1500     |
| Tensione nominale impulso<br>_Shock resistance  | U imp                               | kV              | 8     | 8     | 8     | 8     | 8     | 8     | 8       | 12    | 12    | 12    | 12       |
| Corrente nominale termica<br>_Thermal current   | Ith                                 | A               | 32    | 45    | 63    | 80    | 100   | 125   | 160     | 160   | 200   | 250   | 315      |
| Corrente nominale d' impiego _Rated operational current                               |                                     |                 |       |       |       |       |       |       |         |       |       |       |          |
| AC-21A/B  | 400V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 500V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 690V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
| AC-22A/B  | 400V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 500V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 690V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
| AC-23A/B  | 400V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 500V                                | A               | 25    | 35    | 45    | 63    | 80    | 100   | 100/100 | 125   | 160   | 200   | 200/200  |
|   | 690V                                | A               | 20    | 30    | 35    | 45    | 63    | 80    | 80/80   | 100   | 125   | 160   | 160/160  |
| DC-21A/B*   | 220V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 420V                                | A               | -     | -     | -     | -     | -     | -     | -       | 160   | 200   | 250   | 250/315  |
|   | 560V                                | A               | -     | -     | -     | -     | -     | -     | -       | 60    | 60    | 60    | 60       |
| DC-22A/B*   | 220V                                | A               | 32    | 45    | 63    | 80    | 100   | 125   | 125/160 | 160   | 200   | 250   | 250/315  |
|   | 420V                                | A               | -     | -     | -     | -     | -     | -     | -       | 160   | 200   | 250   | 250/250  |
|   | 560V                                | A               | -     | -     | -     | -     | -     | -     | -       | 40/60 | 40/60 | 40/60 | 40/60    |
| DC-23A/B*   | 220V                                | A               | 20    | 30    | 35    | 45    | 63    | 80    | 80/80   | 160   | 200   | 250   | 250/250  |
|   | 420V                                | A               | -     | -     | -     | -     | -     | -     | -       | 160   | 200   | 250   | 250/250  |
|   | 560V                                | A               | -     | -     | -     | -     | -     | -     | -       | -     | -     | -     | -        |
| Potere di chiusura<br>_Rated making capacity  | 400V<br>AC23                        | A               | 320   | 450   | 630   | 800   | 1000  | 1250  | 1250    | 1600  | 2000  | 2500  | 2500     |
| Potere di interruzione<br>_Breaking capacity  | 400V<br>AC23                        | A               | 256   | 360   | 504   | 640   | 800   | 1000  | 1000    | 1280  | 1600  | 2000  | 2000     |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 1 sec                               | kA              | 5     | 5     | 5     | 5     | 5     | 5     | 5       | 8     | 8     | 8     | 8        |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 0,25<br>sec                         | kA              | 10    | 10    | 10    | 10    | 10    | 10    | 10      | 16    | 16    | 16    | 16       |
| Potere di chiusura in corto<br>circuito<br>_Short-circuit making capacity             | 400V                                | kA              | 7,5   | 7,5   | 7,5   | 7,5   | 7,5   | 7,5   | 7,5     | 13,5  | 13,5  | 13,5  | 13,5     |
| Potenza nominale d'impiego<br>_Rated operational power                                | 400V<br>AC23                        | kW              | 17    | 23    | 33    | 42    | 52    | 65    | 65      | 85    | 105   | 130   | 130      |
| Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current |                                     |                 |       |       |       |       |       |       |         |       |       |       |          |
| Tipo fusibile _Backup fuse  |                                     | A               | 32    | 45    | 63    | 80    | 100   | 125   | 160     | 160   | 200   | 250   | 315      |
| Valore efficace _R.M.S. value   |                                     | kA              | 50    | 50    | 50    | 50    | 50    | 50    | 50      | 50    | 50    | 50    | 50       |
| Valore di picco _Peak value   |                                     | kA              | 6     | 9     | 10    | 12    | 12    | 15    | 16      | 16    | 20    | 25    | 27       |
| Durata meccanica<br>_Mechanical endurance   |                                     | n.              | 12000 | 12000 | 12000 | 12000 | 12000 | 10000 | 10000   | 10000 | 10000 | 10000 | 10000    |
| Durata elettrica<br>_Electrical endurance   |                                     | n.              | 3000  | 3000  | 3000  | 3000  | 3000  | 2000  | 2000    | 2000  | 2000  | 2000  | 2000/200 |
| Potenza condensatori a 400V<br>_Rated capacitor power at 400V                         |                                     | kVAR            | 15    | 20    | 30    | 40    | 45    | 50    | 50      | 70    | 90    | 110   | 110      |
| Potenza dissipata per polo<br>_Power losses for pole                                  |                                     | W               | 0,1   | 0,2   | 0,4   | 0,7   | 1,1   | 1,7   | 2,7     | 1,6   | 2,4   | 3,8   | 6,0      |
| Dimensione cavo<br>_Cable section   |                                     | mm <sup>2</sup> | 10    | 10    | 16    | 25    | 35    | 50    | 70      | 70    | 95    | 120   | 185      |
| Dimensione barre<br>_Bars dimension   |                                     | mm              | 10x2  | 10x2  | 12x3  | 12x3  | 14x3  | 16x3  | 16x4    | 20x4  | 20x5  | 20x6  | 22x8     |
| Sforzi di manovra<br>_Operating torque  |                                     | Nm              | 8     | 8     | 8     | 8     | 8     | 8     | 8       | 12    | 12    | 12    | 12       |
| Peso netto _Net weight  | 3P                                  | Kg              | 0,9   | 0,9   | 0,9   | 0,9   | 0,9   | 0,9   | 0,9     | 1,5   | 1,5   | 1,5   | 1,5      |
|   | 4P                                  |                 | 1     | 1     | 1     | 1     | 1     | 1     | 1       | 1,6   | 1,6   | 1,6   | 1,6      |

\*Due poli in serie \_Two poles in series

| Caratteristiche tecniche<br>_Technical Features                                       | Tipo<br>_Type                       |                 | VC3P |        |          | VC4P   |          |     |
|---|-------------------------------------|-----------------|------|--------|----------|--------|----------|-----|
|   | Corrente nominale<br>_Rated current | In              | A    | 315    | 400      | 500    | 630      | 800 |
| Tensione nominale d'isolamento<br>_Rated insulation voltage                           | Ui                                  | V               | 1500 | 1500   | 1500     | 1500   | 1500     |     |
| Tensione nominale impulso<br>_Shock resistance  | U imp                               | kV              | 12   | 12     | 12       | 12     | 12       |     |
| Corrente nominale termica<br>_Thermal current   | Ith                                 | A               | 315  | 400    | 500      | 630    | 800      |     |
| Corrente nominale d' impiego _Rated operational current                               |                                     |                 |      |        |          |        |          |     |
| AC-21A/B  | 400V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
|   | 500V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
|   | 690V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
| AC-22A/B  | 400V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
|   | 500V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
|   | 690V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
| AC-23A/B  | 400V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
|   | 500V                                | A               | 250  | 315    | 315/315  | 630    | 500/500  |     |
|   | 690V                                | A               | 200  | 250    | 250/250  | 630    | 400/400  |     |
| DC-21A/B*   | 220V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
|   | 420V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
|   | 560V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
| DC-22A/B*   | 220V                                | A               | 315  | 400    | 400/500  | 630    | 630/800  |     |
|   | 420V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
|   | 560V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
| DC-23A/B*   | 220V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
|   | 420V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
|   | 560V                                | A               | 315  | 400    | 400/400  | 630    | 630/630  |     |
| Potere di chiusura<br>_Rated making capacity  | 400V<br>AC23                        | A               | 3150 | 4000   | 4000     | 6300   | 6300     |     |
| Potere di interruzione<br>_Breaking capacity  | 400V<br>AC23                        | A               | 2520 | 3200   | 3200     | 5040   | 5040     |     |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 1 sec                               | kA              | 13   | 13     | 13       | 26,5   | 26,5     |     |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 0,25 sec                            | kA              | 26   | 26     | 26       | 53     | 53       |     |
| Potere di chiusura in corto<br>circuito<br>_Short-circuit making capacity             | 400V                                | kA              | 26   | 26     | 26       | 30     | 30       |     |
| Potenza nominale d'impiego<br>_Rated operational power                                | 400V<br>AC23                        | kW              | 165  | 210    | 210      | 330    | 330      |     |
| Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current |                                     |                 |      |        |          |        |          |     |
| Tipo fusibile _Backup fuse  |                                     | A               | 315  | 400    | 500      | 630    | 800      |     |
| Valore efficace _R.M.S. value   |                                     | kA              | 50   | 50     | 50       | 50     | 50       |     |
| Valore di picco _Peak value   |                                     | kA              | 27   | 30     | 37       | 40     | 40       |     |
| Durata meccanica<br>_Mechanical endurance   |                                     | n.              | 8000 | 8000   | 8000     | 8000   | 8000     |     |
| Durata elettrica<br>_Electrical endurance   |                                     | n.              | 1500 | 1500   | 1500/200 | 1500   | 1500/200 |     |
| Potenza condensatori a 400V<br>_Rated capacitor power at 400V                         |                                     | kVAR            | 140  | 180    | 180      | 300    | 300      |     |
| Potenza dissipata per polo<br>_Power losses for pole                                  |                                     | W               | 5,9  | 9,4    | 14,8     | 15,6   | 25,7     |     |
| Dimensione cavo<br>_Cable section   |                                     | mm <sup>2</sup> | 185  | 2x120  | 2x150    | 2x185  | 2x240    |     |
| Dimensione barre<br>_Bars dimension   |                                     | mm              | 30x6 | 2x25x5 | 2x25x5   | 2x40x5 | 2x40x6   |     |
| Sforzi di manovra<br>_Operating torque  |                                     | Nm              | 18   | 18     | 18       | 34     | 34       |     |
| Peso netto _Net weight  | 3P                                  | Kg              | 3,5  | 3,5    | 3,5      | 5,5    | 5,5      |     |
|   | 4P                                  |                 | 3,8  | 3,8    | 3,8      | 6      | 6        |     |

\*Due poli in serie \_Two poles in series

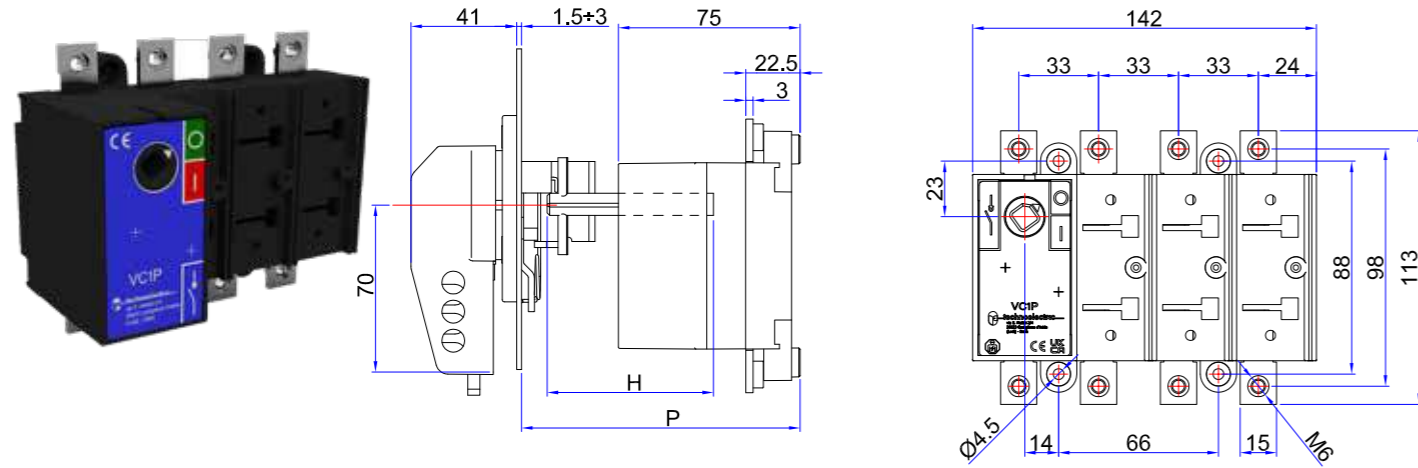
| Caratteristiche tecniche<br>_Technical Features                                       | Tipo<br>_Type                       |                 | VC5P   |        |        |        | VC5P 50kA |        |        |         |         |         |
|---|-------------------------------------|-----------------|--------|--------|--------|--------|-----------|--------|--------|---------|---------|---------|
|   | Corrente nominale<br>_Rated current | In              | A      | 800    | 1000   | 1250   | 800       | 1000   | 1250   | 1600    | 2000    | 2500    |
| Tensione nominale d'isolamento<br>_Rated insulation voltage                           | Ui                                  | V               | 1500   | 1500   | 1500   | 1500   | 1500      | 1500   | 1500   | 1500    | 1500    | 1500    |
| Tensione nominale impulso<br>_Shock resistance  | U imp                               | kV              | 12     | 12     | 12     | 12     | 12        | 12     | 12     | 12      | 12      | 12      |
| Corrente nominale termica<br>_Thermal current   | Ith                                 | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | 1600   | 2000    | 2500    | 3150    |
| Corrente nominale d' impiego _Rated operational current                               |                                     |                 |        |        |        |        |           |        |        |         |         |         |
| AC-21A/B  | 400V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | 1600   | 2000    | 2500    | 3150    |
|   | 500V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | 1600   | 2000    | 2500    | 3150    |
|   | 690V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | 1250   | 1250    | 1250    | 1250    |
| AC-22A/B  | 400V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | 1250   | 1250    | -       | -       |
|   | 500V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | -      | -       | -       | -       |
|   | 690V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | -      | -       | -       | -       |
| AC-23A/B  | 400V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | -      | -       | -       | -       |
|   | 500V                                | A               | 800    | 800    | 800    | 630    | 800       | 1000   | -      | -       | -       | -       |
|   | 690V                                | A               | 400    | 400    | 400    | 500    | 630       | 800    | -      | -       | -       | -       |
| DC-21A/B*   | 220V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | 1600   | 2000    | -       | -       |
|   | 420V                                | A               | -      | -      | -      | -      | -         | -      | -      | -       | -       | -       |
|   | 560V                                | A               | -      | -      | -      | -      | -         | -      | -      | -       | -       | -       |
| DC-22A/B*   | 220V                                | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | -      | -       | -       | -       |
|   | 420V                                | A               | -      | -      | -      | -      | -         | -      | -      | -       | -       | -       |
|   | 560V                                | A               | -      | -      | -      | -      | -         | -      | -      | -       | -       | -       |
| DC-23A/B*   | 220V                                | A               | 500    | 630    | 800    | 500    | 630       | 800    | -      | -       | -       | -       |
|   | 420V                                | A               | -      | -      | -      | -      | -         | -      | -      | -       | -       | -       |
|   | 560V                                | A               | -      | -      | -      | -      | -         | -      | -      | -       | -       | -       |
| Potere di chiusura<br>_Rated making capacity  | 400V<br>AC23                        | A               | 8000   | 10000  | 12500  | 8000   | 10000     | 12500  | -      | -       | -       | -       |
| Potere di interruzione<br>_Breaking capacity  | 400V<br>AC23                        | A               | 6400   | 8000   | 10000  | 6400   | 8000      | 10000  | -      | -       | -       | -       |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 1 sec                               | kA              | 35     | 35     | 35     | 50     | 50        | 50     | 50     | 50      | 50      | 50      |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 0,25<br>sec                         | kA              | 70     | 70     | 70     | 100    | 100       | 100    | 100    | 100     | 100     | 100     |
| Potere di chiusura in corto circuito<br>_Short-circuit making capacity                | 400V                                | kA              | 73,5   | 73,5   | 73,5   | 105    | 105       | 105    | 105    | 105     | 105     | 105     |
| Potenza nominale d'impiego<br>_Rated operational power                                | 400V<br>AC23                        | kW              | 420    | 525    | 630    | 420    | 525       | 630    | 630    | 630     | -       | -       |
| Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current |                                     |                 |        |        |        |        |           |        |        |         |         |         |
| Tipo fusibile _Backup fuse  |                                     | A               | 800    | 1000   | 1250   | 800    | 1000      | 1250   | -      | -       | -       | -       |
| Valore efficace _R.M.S. value   |                                     | kA              | 100    | 100    | 100    | 100    | 100       | 100    | -      | -       | -       | -       |
| Valore di picco _Peak value   |                                     | kA              | 50     | 60     | 70     | 50     | 60        | 70     | -      | -       | -       | -       |
| Durata meccanica<br>_Mechanical endurance   |                                     | n.              | 7000   | 7000   | 7000   | 4000   | 4000      | 4000   | 4000   | 4000    | 2000    | 2500    |
| Durata elettrica<br>_Electrical endurance   |                                     | n.              | 1000   | 1000   | 1000   | 1000   | 1000      | 1000   | 500    | 500     | 500     | 500     |
| Potenza condensatori a 400V<br>_Rated capacitor power at 400V                         |                                     | kVAR            | 380    | 475    | 600    | 380    | 475       | 600    | -      | -       | -       | -       |
| Potenza dissipata per polo<br>_Power losses for pole                                  |                                     | W               | 17,5   | 27,3   | 42     | 15,6   | 24,6      | 38,0   | 38,3   | 61,3    | 91,7    | 145,5   |
| Dimensione cavo<br>_Cable section   |                                     | mm <sup>2</sup> | 2x240  | -      | -      | 2x240  | -         | -      | -      | -       | -       | -       |
| Dimensione barre<br>_Bars dimension   |                                     | mm              | 2x40x5 | 2x40x6 | 2x40x8 | 2x40x5 | 2x40x6    | 2x40x8 | 3x40x8 | 3x50x12 | 4x50x12 | 6x50x12 |
| Sforzi di manovra<br>_Operating torque  |                                     | Nm              | 45     | 45     | 45     | 70     | 70        | 70     | 70     | 70      | 70      | 70      |
| Peso netto _Net weight  | 3P                                  | Kg              | 11     | 11     | 11     | 11     | 11        | 11     | 18     | 18      | 25      | 25      |
|   | 4P                                  |                 | 12     | 12     | 12     | 12     | 12        | 12     | 19,2   | 19,2    | 26,5    | 26,5    |

\*Due poli in serie \_Two poles in series

| Caratteristiche tecniche<br>_Technical Features                                       | Tipo<br>_Type                       |                 | VC6P    |         |         |           |
|---|-------------------------------------|-----------------|---------|---------|---------|-----------|
|   | Corrente nominale<br>_Rated current | In              | A       | 1600    | 2000    | 2500      |
| Tensione nominale d'isolamento<br>_Rated insulation voltage                           | Ui                                  | V               | 1500    | 1500    | 1500    | 1500      |
| Tensione nominale impulso<br>_Shock resistance  | U imp                               | kV              | 12      | 8       | 8       | 8         |
| Corrente nominale termica<br>_Thermal current   | Ith                                 | A               | 1600    | 2000    | 2500    | 3150      |
| Corrente nominale d' impiego _Rated operational current                               |                                     |                 |         |         |         |           |
| AC-21A/B  | 400V                                | A               | 1600    | 2000    | 2500    | 3150      |
|   | 500V                                | A               | 1600    | 2000    | 2500    | 3150      |
|   | 690V                                | A               | 1250    | 1250    | 1250    | 1250      |
| AC-22A/B  | 400V                                | A               | 1600    | 2000    | 2500    | 1600      |
|   | 500V                                | A               | 1250    | 1250    | 1250    | -         |
|   | 690V                                | A               | 400     | 400     | 800     | -         |
| AC-23A/B  | 400V                                | A               | 1250    | 1250    | -       | -         |
|   | 500V                                | A               | 800     | 800     | -       | -         |
|   | 690V                                | A               | 400     | 400     | -       | -         |
| DC-21A/B*   | 220V                                | A               | 1600    | 2000    | -       | -         |
|   | 420V                                | A               | -       | -       | -       | -         |
|   | 560V                                | A               | -       | -       | -       | -         |
| DC-22A/B*   | 220V                                | A               | -       | -       | -       | -         |
|   | 420V                                | A               | -       | -       | -       | -         |
|   | 560V                                | A               | -       | -       | -       | -         |
| DC-23A/B*   | 220V                                | A               | -       | -       | -       | -         |
|   | 420V                                | A               | -       | -       | -       | -         |
|   | 560V                                | A               | -       | -       | -       | -         |
| Potere di chiusura<br>_Rated making capacity  | 400V<br>AC23                        | A               | 12500   | 12500   | -       | -         |
| Potere di interruzione<br>_Breaking capacity  | 400V<br>AC23                        | A               | 10000   | 10000   | -       | -         |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 1 sec                               | kA              | 60      | 60      | 70      | 70        |
| Corrente di breve durata<br>_Short-circuit withstand current                          | 0,25 sec                            | kA              | 120     | 120     | 140     | 140       |
| Potere di chiusura in corto circuito<br>_Short-circuit making capacity                | 400V                                | kA              | 105     | 105     | 105     | 105       |
| Potenza nominale d'impiego<br>_Rated operational power                                | 400V<br>AC23                        | kW              | 630     | 630     | -       | -         |
| Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current |                                     |                 |         |         |         |           |
| Tipo fusibile _Backup fuse  |                                     | A               | -       | -       | -       | -         |
| Valore efficace _R.M.S. value   |                                     | kA              | -       | -       | -       | -         |
| Valore di picco _Peak value   |                                     | kA              | -       | -       | -       | -         |
| Durata meccanica<br>_Mechanical endurance   |                                     | n.              | 2500    | 2500    | 2500    | 2500      |
| Durata elettrica<br>_Electrical endurance   |                                     | n.              | 500     | 500     | 500     | 500       |
| Potenza condensatori a 400V<br>_Rated capacitor power at 400V                         |                                     | kVAR            | 780     | 850     | 1.100   | 1250      |
| Potenza dissipata per polo<br>_Power losses for pole                                  |                                     | W               | 47,8    | 74,7    | 85,4    | 118,1     |
| Dimensione cavo<br>_Cable section   |                                     | mm <sup>2</sup> | -       | -       | -       | -         |
| Dimensione barre<br>_Bars dimension   |                                     | mm              | 2x80x10 | 2x80x10 | 3x80x10 | 32x100x10 |
| Sforzi di manovra<br>_Operating torque  |                                     | Nm              | 70      | 70      | 70      | 70        |
| Peso netto _Net weight  | 3P                                  | Kg              | 17      | 19      | 27      | 40        |
|   | 4P                                  |                 | 19      | 20      | 30      | 41        |

\*Due poli in serie \_Two poles in series

## VC1P



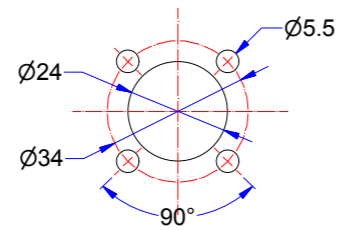
Legenda \_caption

VC1P 32 ÷ 160A

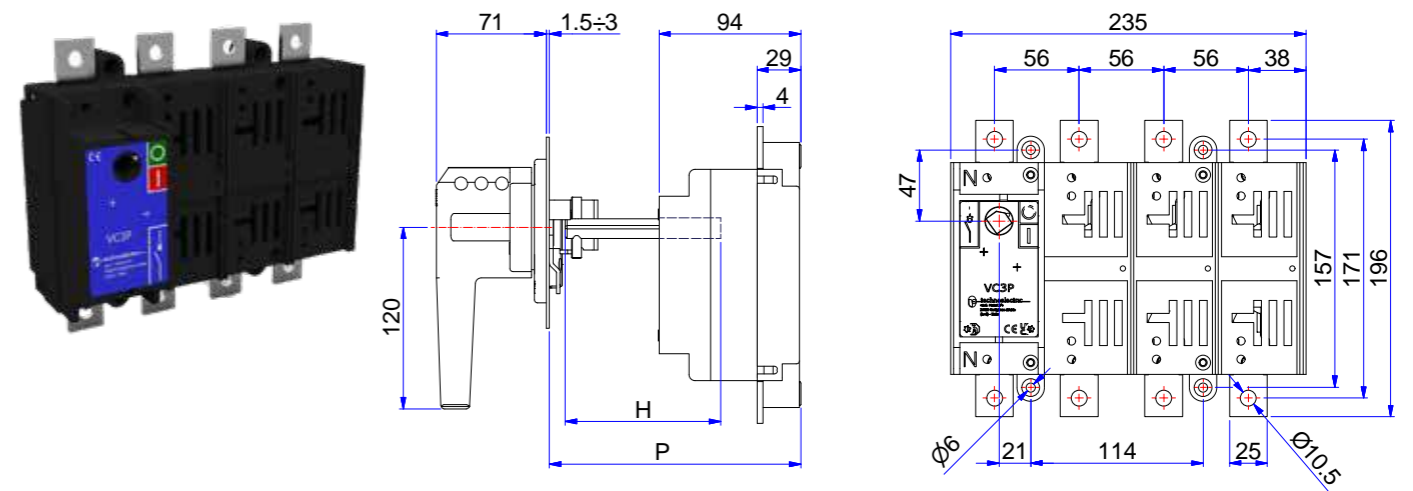
| P   |     | C  | H   |
|-----|-----|----|-----|
| min | max |    |     |
| 116 | 247 | 47 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC3P



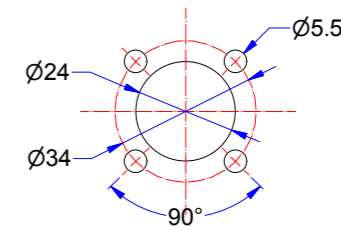
Legenda \_caption

VC3P 315 ÷ 500A

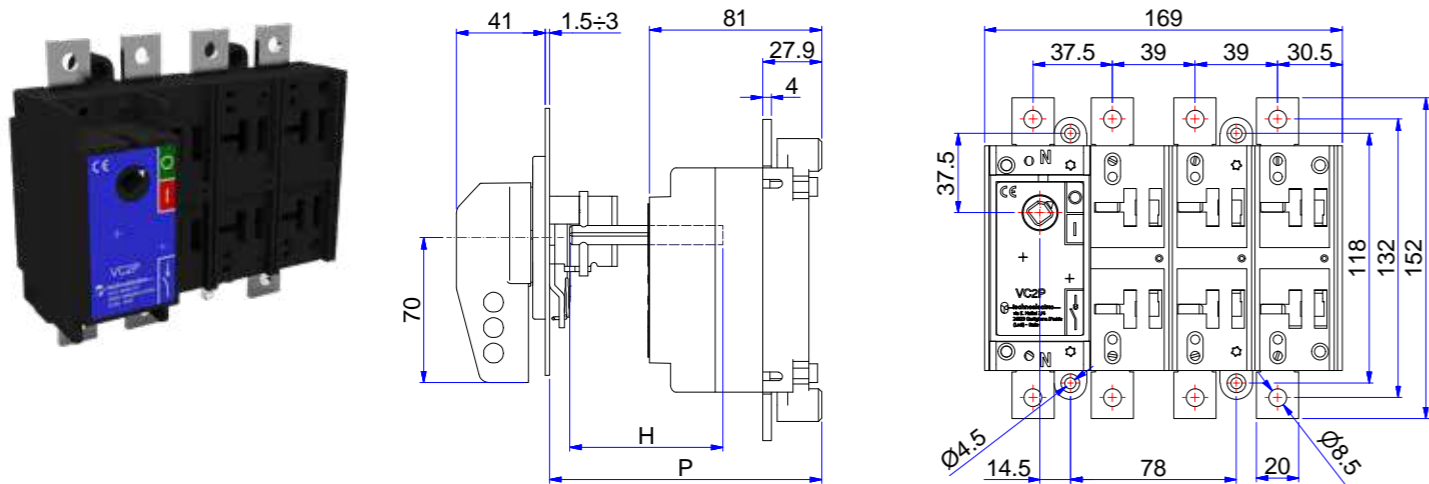
| P   |       | C    | H   |
|-----|-------|------|-----|
| min | max   |      |     |
| 148 | 261,5 | 51,5 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC2P



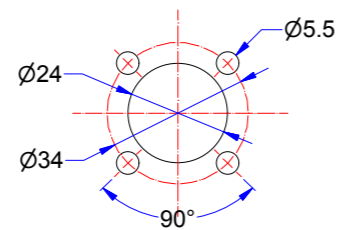
Legenda \_caption

VC2P 160 ÷ 315A

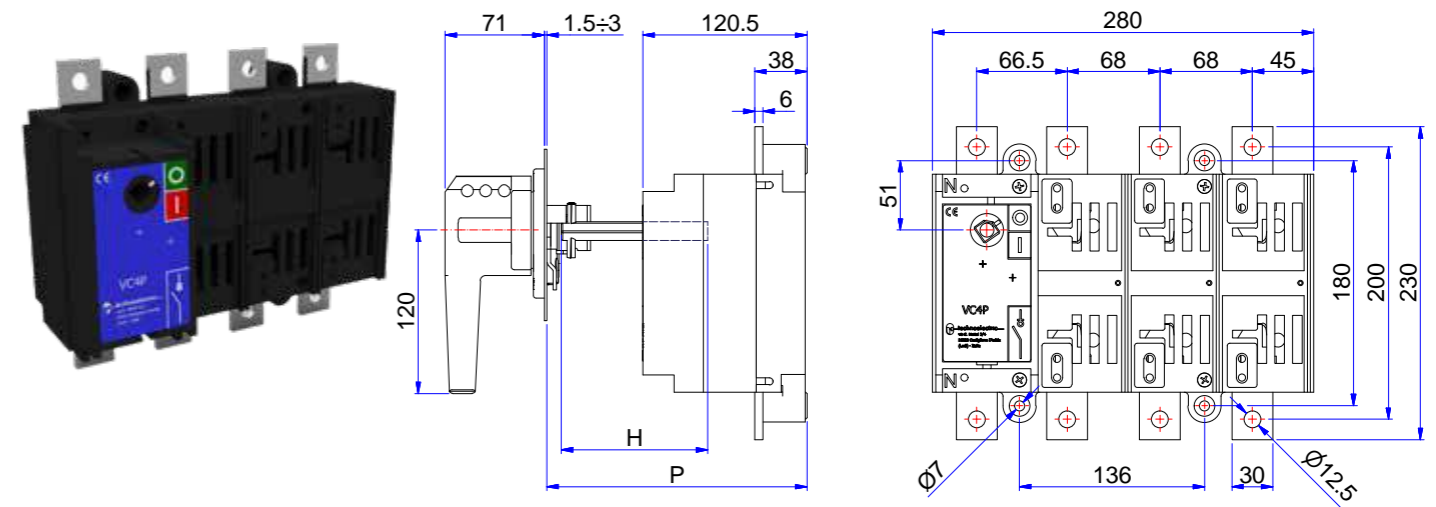
| P   |     | C  | H   |
|-----|-----|----|-----|
| min | max |    |     |
| 124 | 255 | 55 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC4P



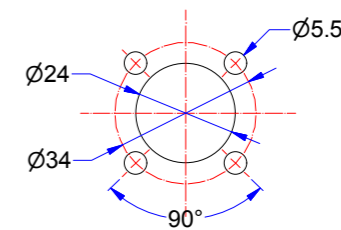
Legenda \_caption

VC4P 630 ÷ 800A

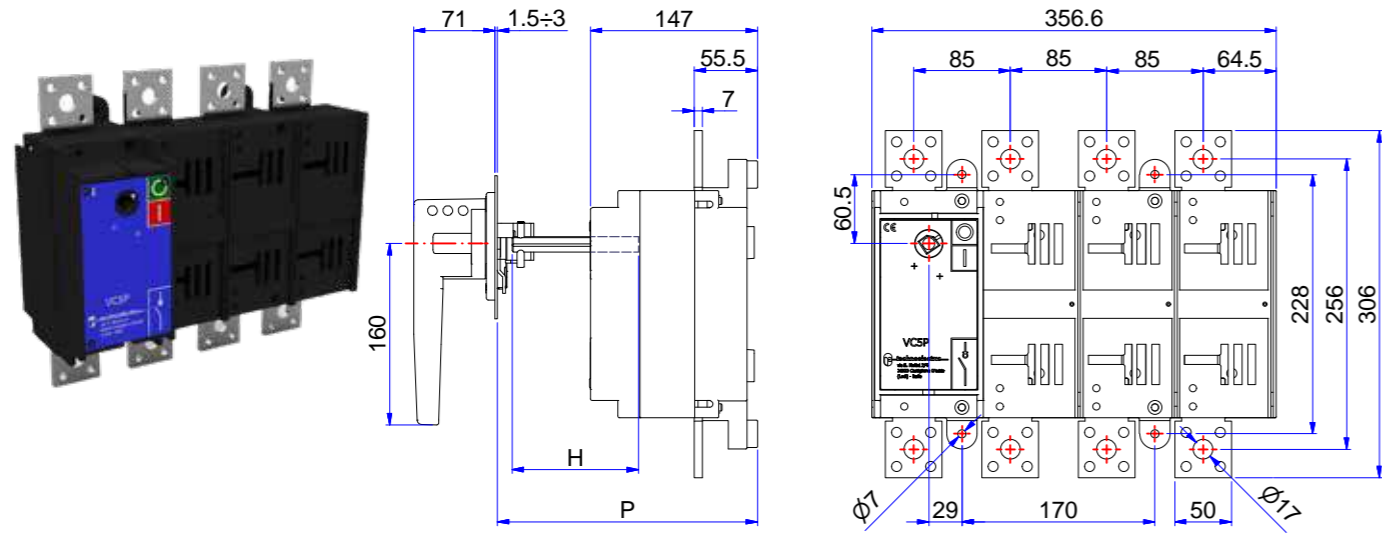
| P   |     | C  | H   |
|-----|-----|----|-----|
| min | max |    |     |
| 174 | 276 | 76 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC5P

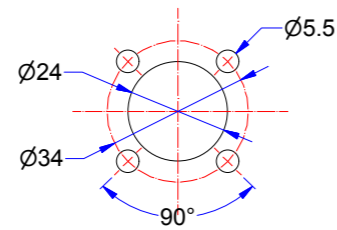


Legenda \_caption  
VC5P 800 ÷ 1250 A  
35 kA

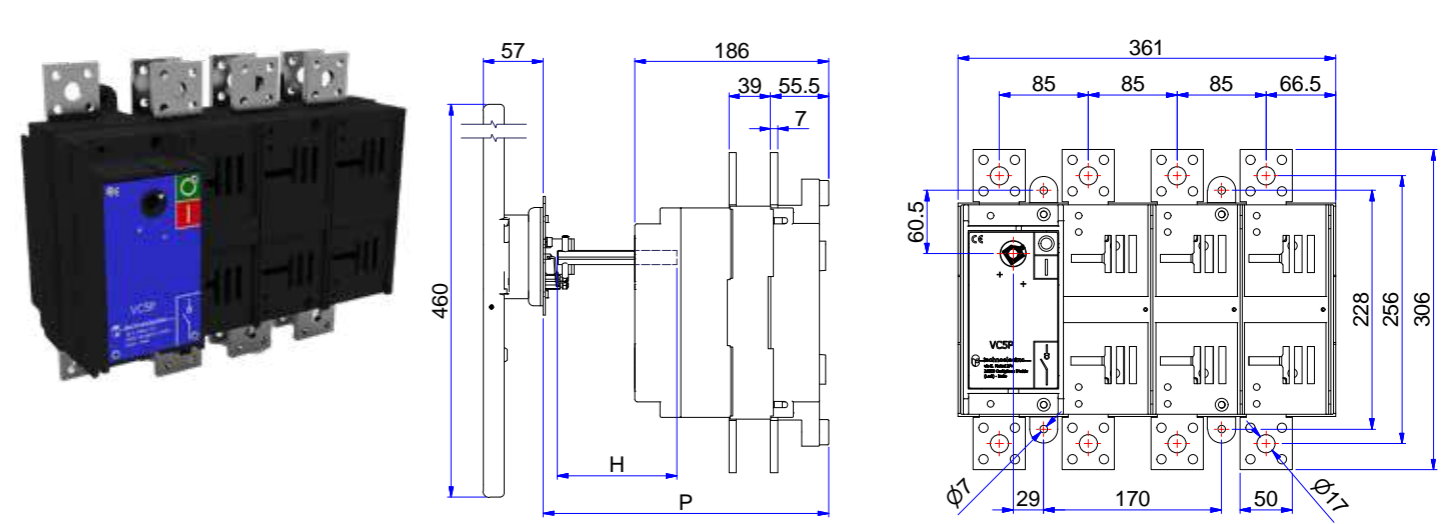
| P   |     | C  | H   |
|-----|-----|----|-----|
| min | max |    |     |
| 215 | 296 | 96 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC5P 1600 ÷ 2000 50 kA

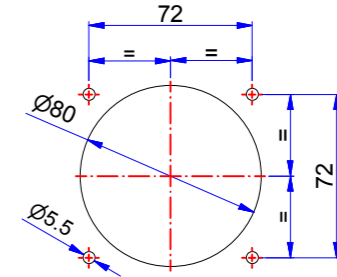


Legenda \_caption  
VC5P 1600 ÷ 2000A

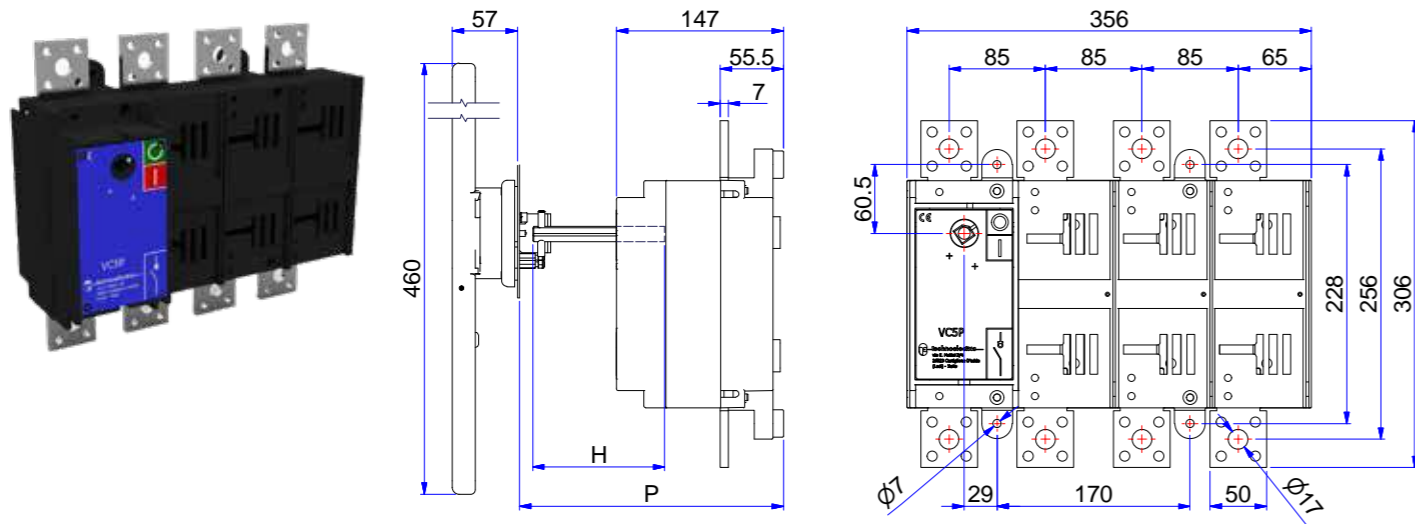
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 252 | 345 | 145 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC5P 800 ÷ 1250 50 kA

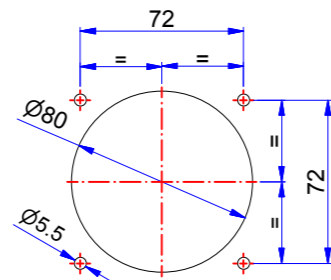


Legenda \_caption  
VC5P 800 ÷ 1250 A  
50 kA

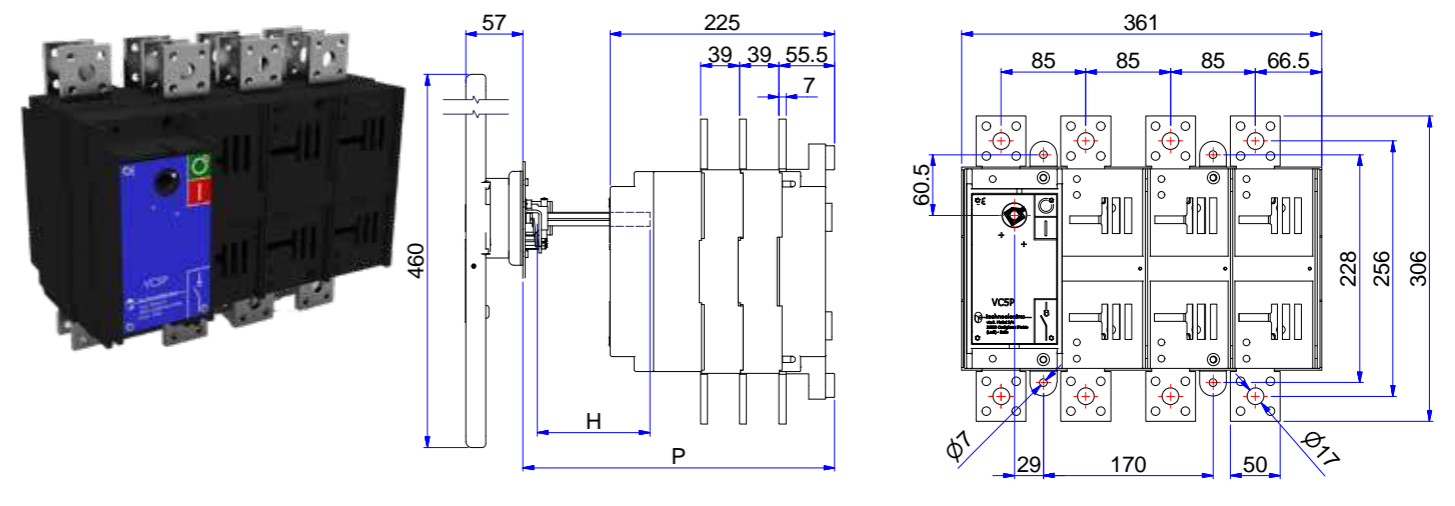
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 213 | 306 | 106 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC5P 2500 ÷ 3150 50 kA

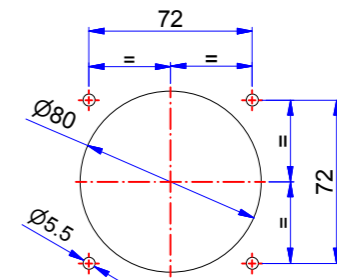


Legenda \_caption  
VC5P 2500 ÷ 3150A

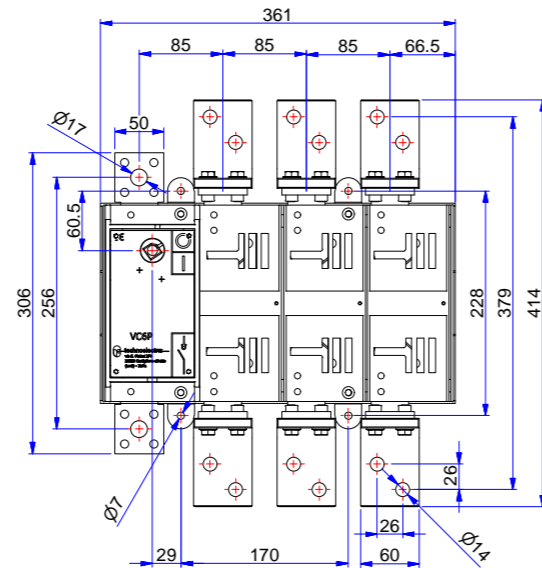
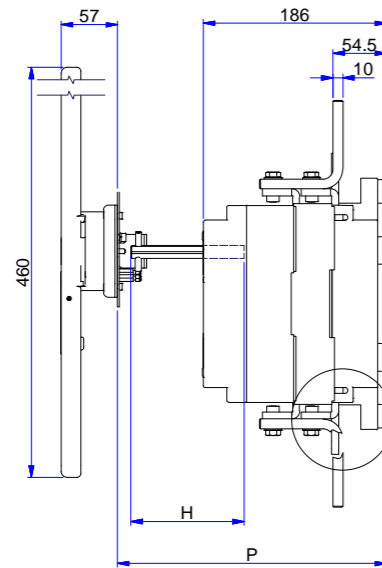
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 291 | 384 | 184 | P-C |

C= costante \_constant

Foratura portella \_Door drilling



## VC6P



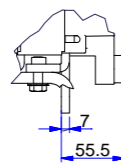
Legenda \_caption

**VC6P 1600 A**

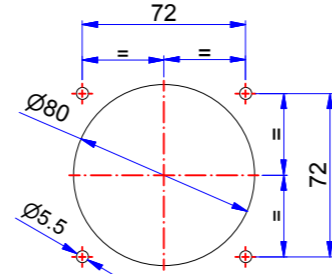
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 252 | 345 | 145 | P-C |

C= costante \_constant

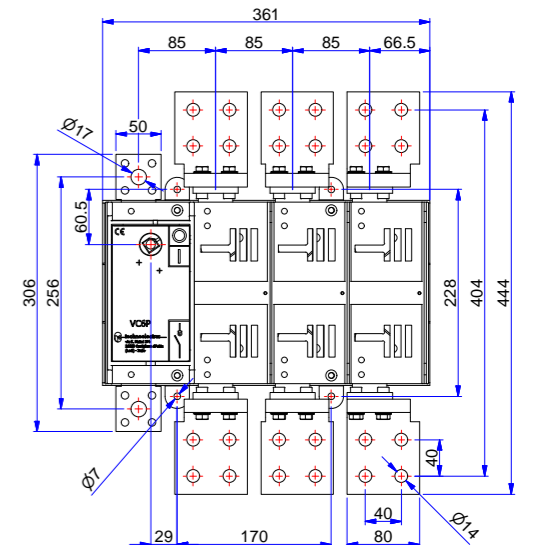
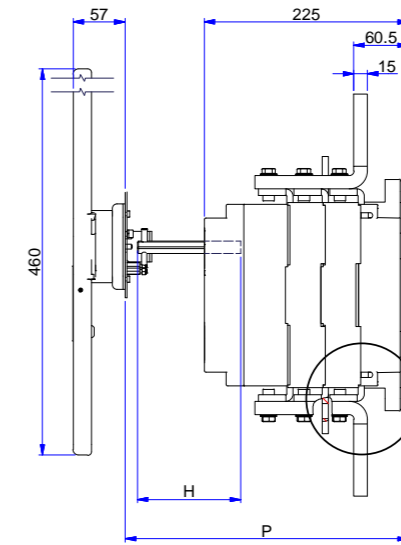
Neutral



Foratura portella \_Door drilling



## VC6P



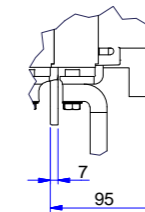
Legenda \_caption

**VC6P 2500 A**

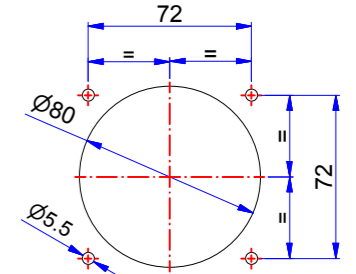
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 291 | 384 | 184 | P-C |

C= costante \_constant

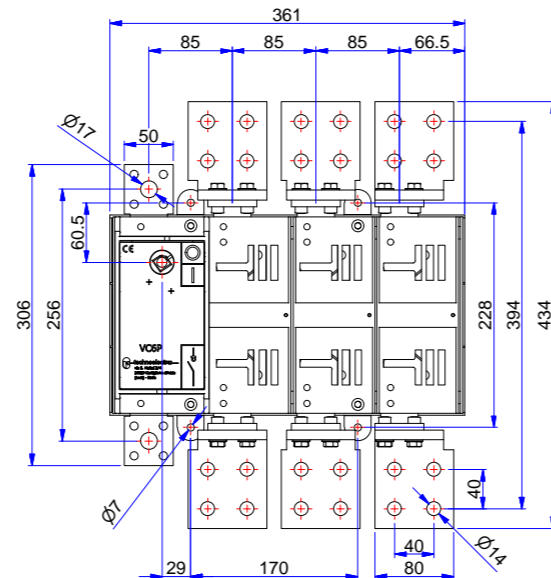
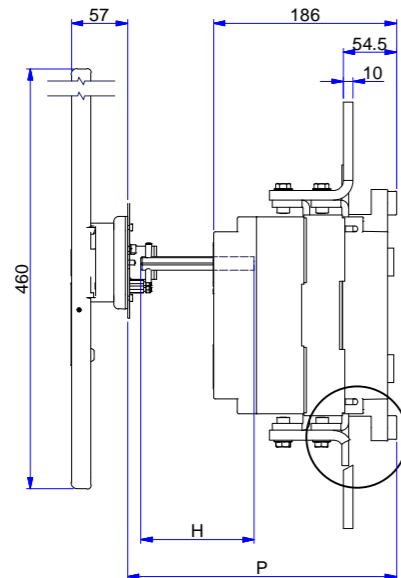
Neutral



Foratura portella \_Door drilling



## VC6P



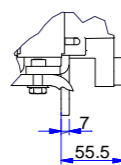
Legenda \_caption

**VC6P 2000 A**

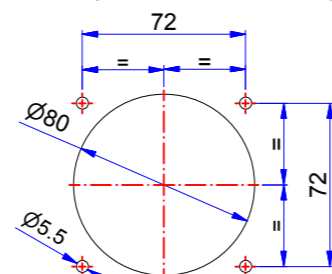
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 252 | 345 | 145 | P-C |

C= costante \_constant

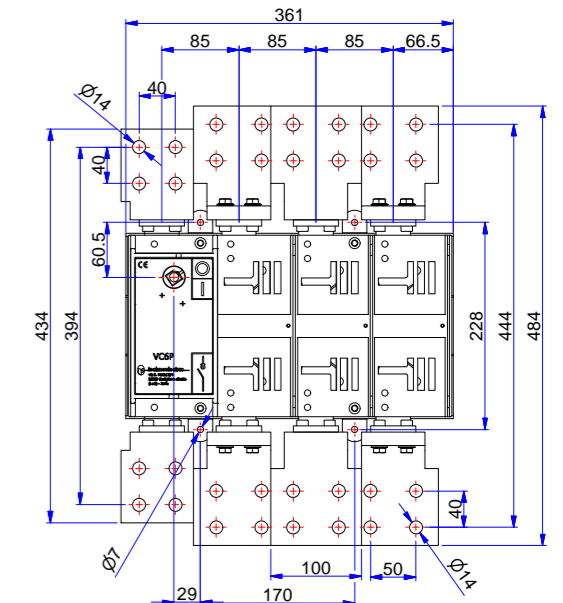
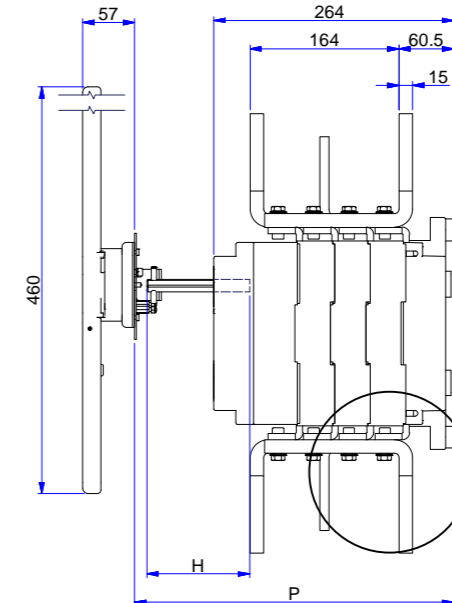
Neutral



Foratura portella \_Door drilling



## VC6P



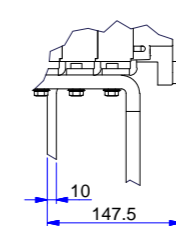
Legenda \_caption

**VC6P 3150 A**

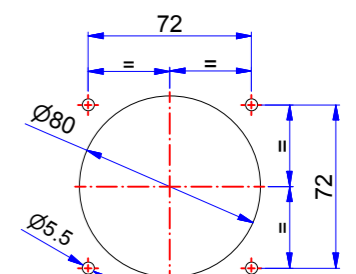
| P   |     | C   | H   |
|-----|-----|-----|-----|
| min | max |     |     |
| 330 | 423 | 223 | P-C |

C= costante \_constant

Neutral



Foratura portella \_Door drilling



## VISUALCOMPACT VCP MS motorized load break switches

### GENERALITIES

The Visual Compact MS Series are motorized Switch Disconnectors and Fuse switch disconnectors, that can be remotely operated.

### GENERAL CHARACTERISTICS

The technical characteristics of the load break switches used in the VISUALCOMPACT P MS are correspondent to as shown in the chapter of VISUALCOMPACT P series.  
Direct handle for manual emergency operations  
Emergency padlockable mechanical block of electrical and manual operations.

Position 0 and 1 are mechanically and electronically (LED) indicated

External Input position through auxiliary contacts (see terminal board diagram)

0-1 or 1-0 operating time 1,5 sec.

Voltages 12/24V DC, 110/220/380V AC

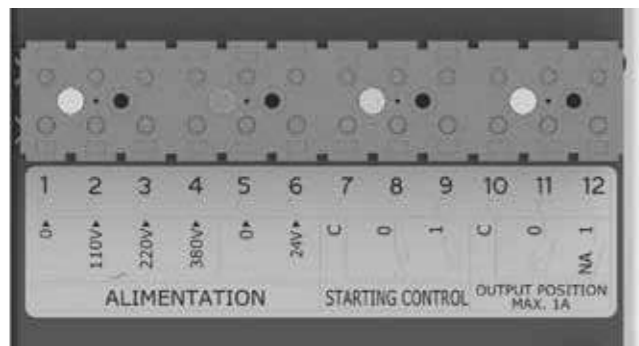
Working ambient temperature from - 20°C + 45°C padlock in 0 position.

### CONFORMITY TO STANDARDS

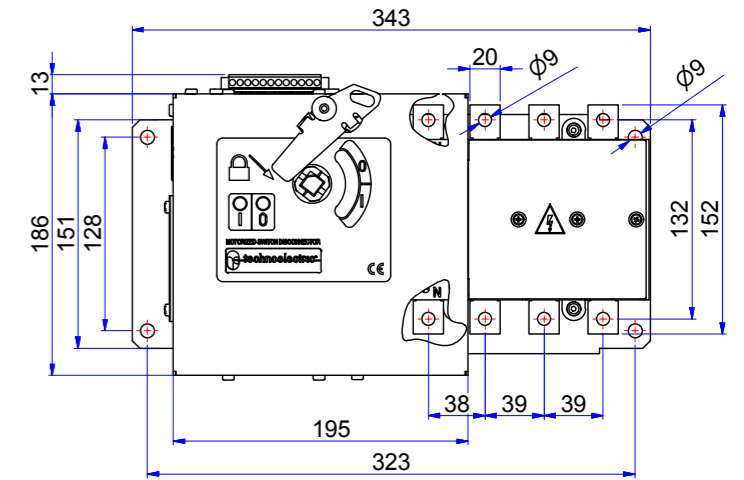
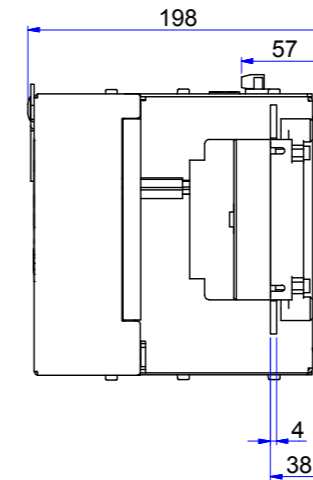
IEC 60947-1|IEC 60947-3|UNI EN 60947-1|UNI EN 60947-3|IEC 439-1|UNI EN 60439-1|IEC 204-1|UNI EN 60204-1 | EAC



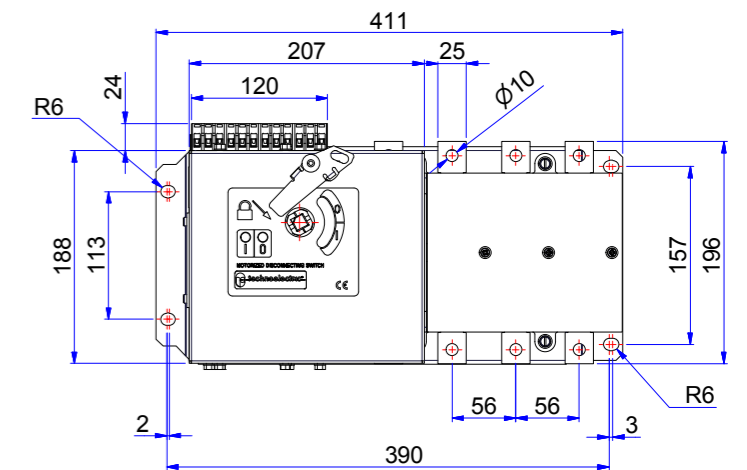
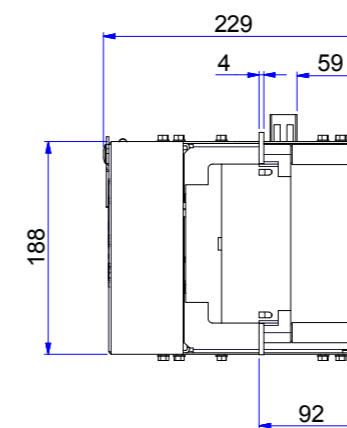
Schema morsettiera MS  
\_MS terminal block diagram



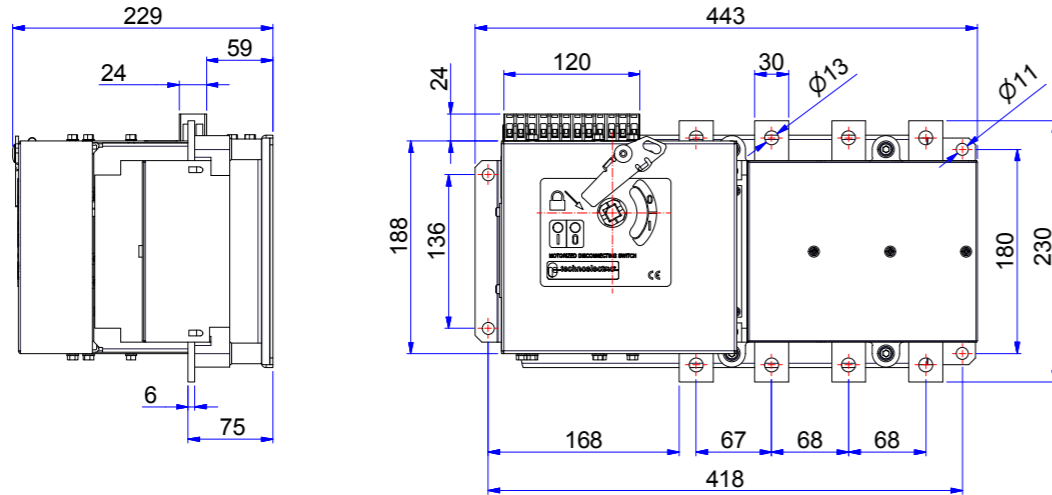
## VC2P MS 160 ÷ 250A



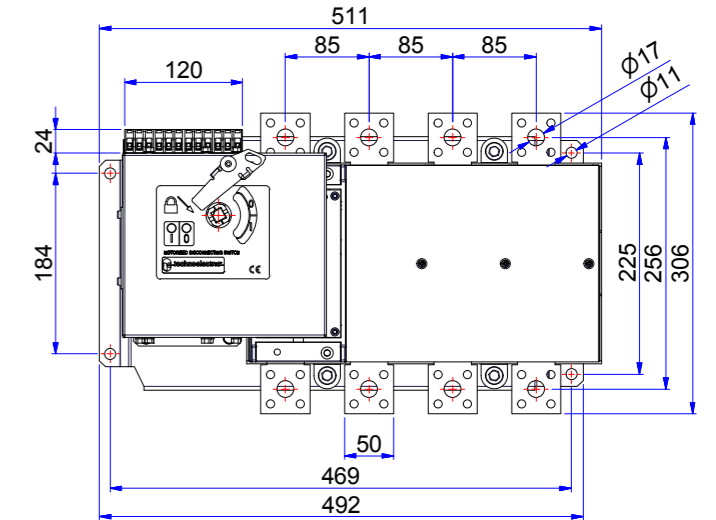
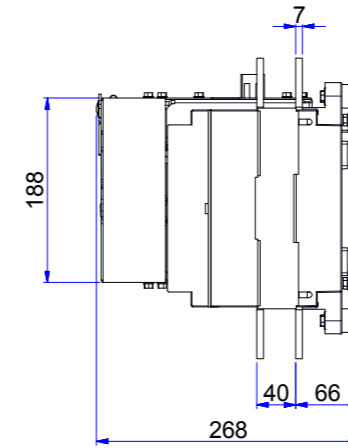
## VC3P MS 315 ÷ 400 A



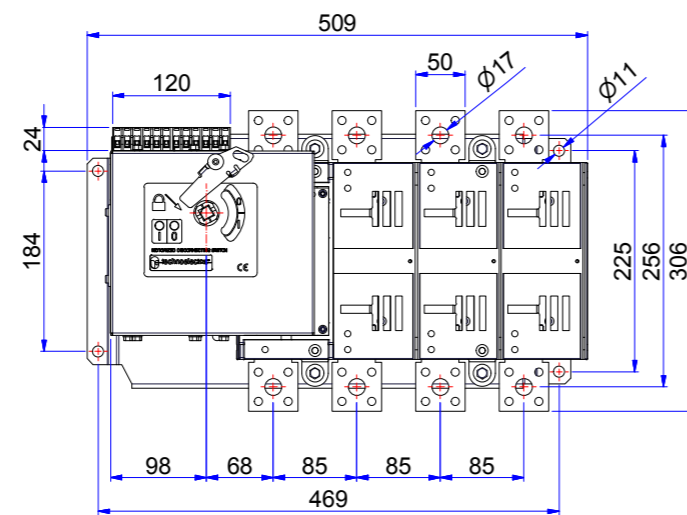
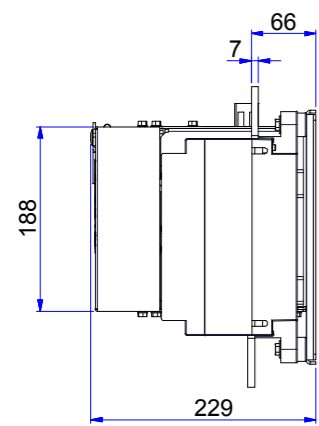
**VC4P MS 630 ÷ 800A**



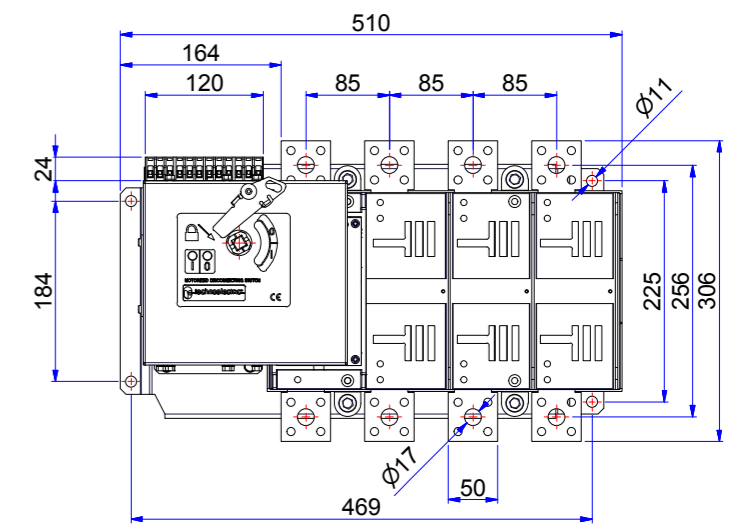
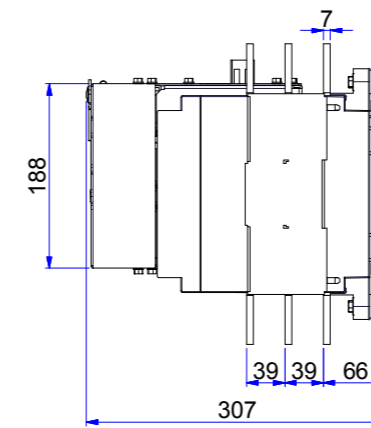
**VC5P MS 1600 ÷ 2000A**



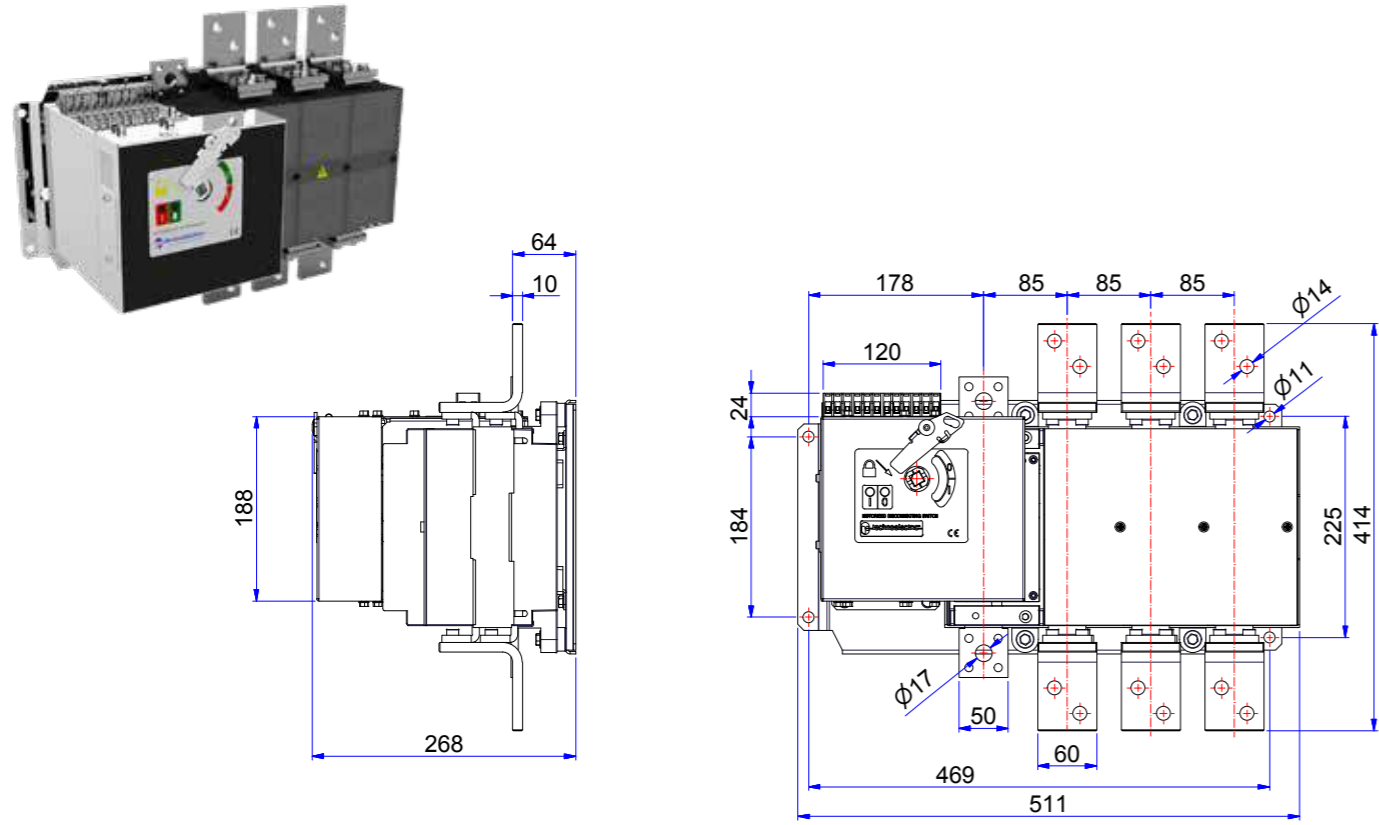
**VC5P MS 800 ÷ 1250A**



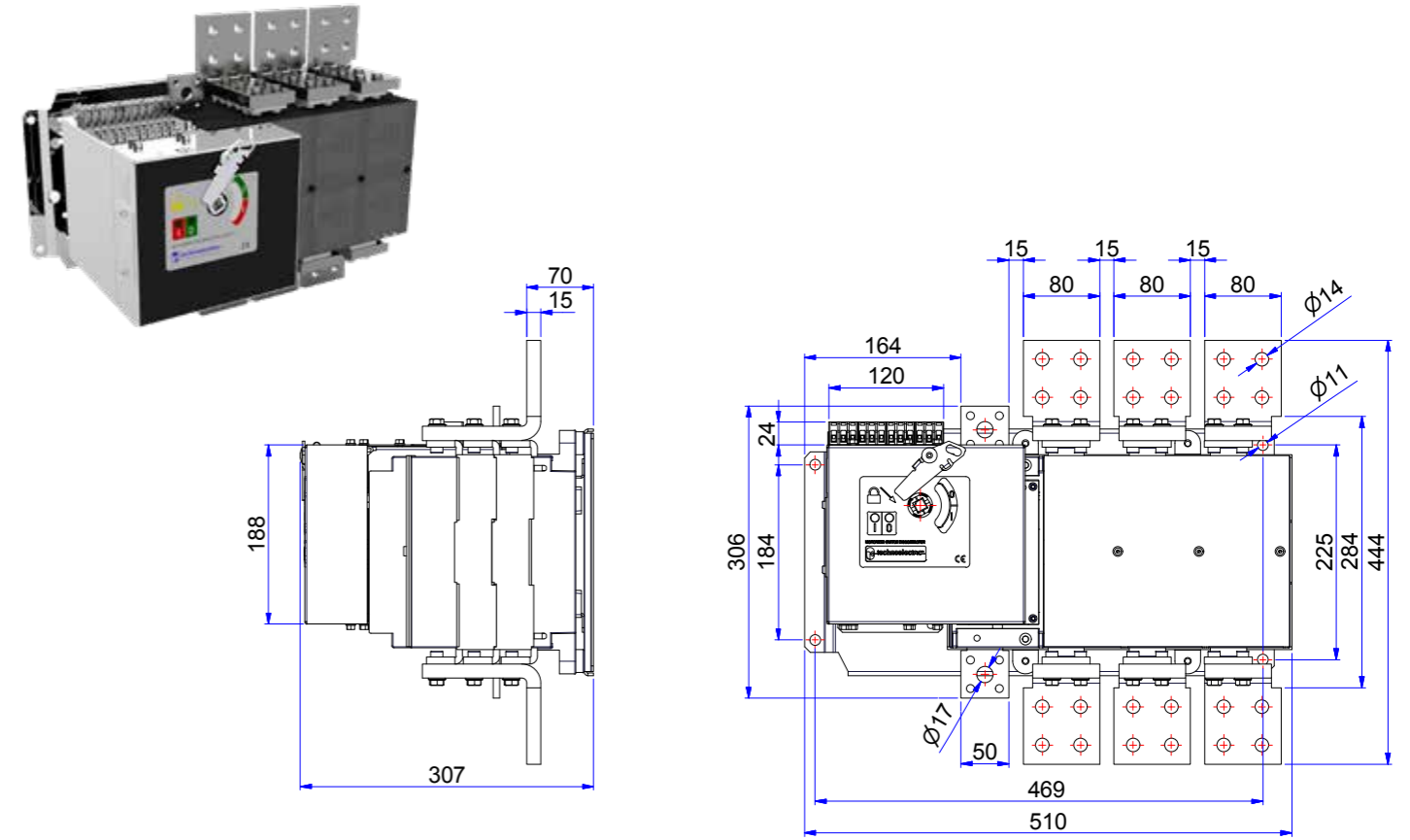
**VC5P MS 2500 ÷ 3150A**



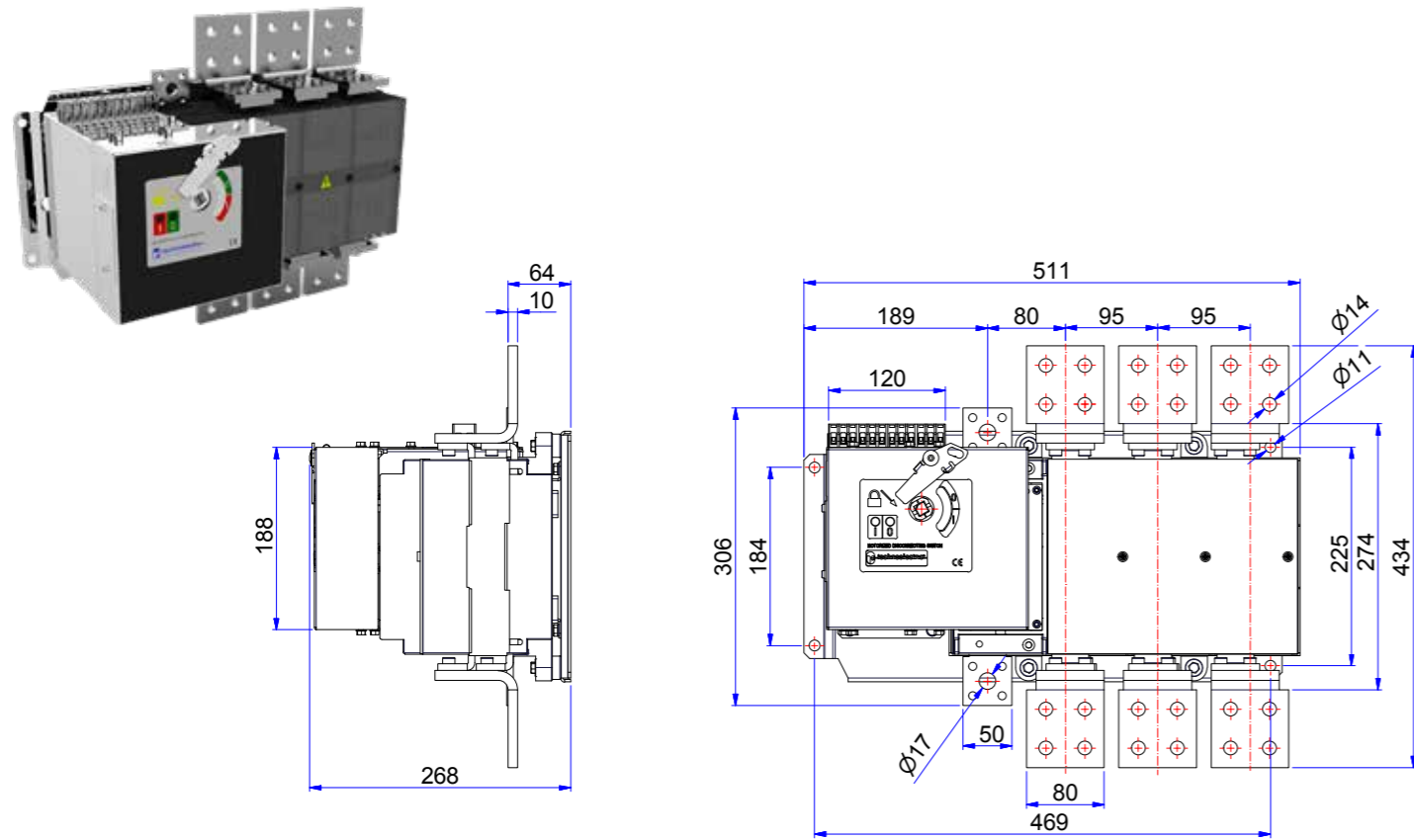
### VC6P MS 1600A



### VC6P MS 2500A



### VC6P MS 2000A



### VC6P MS 3150A

