

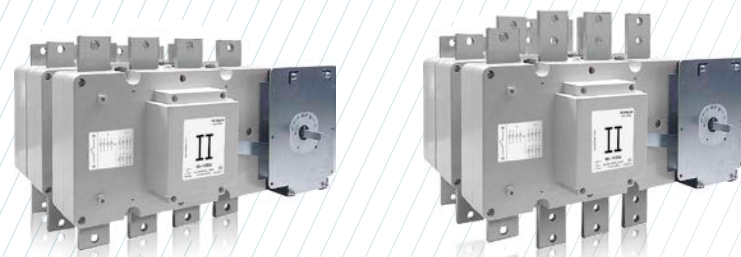
# S5000B

## Bypass changeover switch

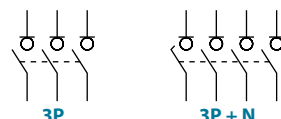
### base mounting 3P - 3P+N

Size 4

A 1250|1600|1800|2000



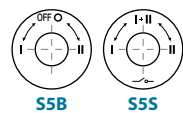
| 3P     | CODE-1250A  | CODE-1600A  | CODE-1800A  | CODE-2000A  |
|--------|-------------|-------------|-------------|-------------|
|        | S5B12503PS0 | S5B16003PS0 | S5B18003PS0 | S5B20003PD0 |
| 3P + N | S5B12503NS0 | S5B16003NS0 | S5B18003NS0 | S5B20003ND0 |



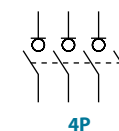
### Technical information

According to IEC/EN 60947-3

|                                                                                        |                  |                            |       | 1250 | 1600  | 1800  | 2000  |       |
|----------------------------------------------------------------------------------------|------------------|----------------------------|-------|------|-------|-------|-------|-------|
| Rated thermal current                                                                  | I <sub>th</sub>  | in ambient at 40° C 60% HR |       | A    | 1250  | 1600  | 1800  | 2000  |
| Rated insulation voltage                                                               | U <sub>i</sub>   |                            |       | V    | 1000  | 1000  | 1000  | 1000  |
| Rated dielectric strength                                                              | 50 Hz., 1 min.   |                            |       | V    | 10000 | 10000 | 10000 | 10000 |
| Rated impulse withstand voltage                                                        | U <sub>imp</sub> |                            |       | kV   | 12    | 12    | 12    | 12    |
| AC Rated operational current <sup>*(1)</sup><br>(Rated operational frequency 50/60 Hz) | I <sub>e</sub>   | 400V                       | AC21A | A    | 1250  | 1600  | 1800  | 2000  |
|                                                                                        |                  | 400V                       | AC22A | A    | 1250  | 1600  | 1800  | 2000  |
|                                                                                        |                  | 500V                       | AC21A | A    | 1250  | 1600  | 1800  | 2000  |
|                                                                                        |                  | 500V                       | AC22A | A    | 1000  | 1250  | 1600  | 1800  |
|                                                                                        |                  | 690V                       | AC21A | A    | 1000  | 1600  | 1800  | 1800  |
|                                                                                        |                  | 690V                       | AC22A | A    | 630   | 1000  | 1250  | 1600  |
|                                                                                        |                  | 800V                       | AC20A | A    | 1250  | 1600  | 1800  | 2000  |
|                                                                                        |                  | 1000V                      | AC20A | A    | 1250  | 1600  | 1800  | 2000  |
| AC Rated operational power <sup>*(2)</sup>                                             | P <sub>e</sub>   | 3x400V                     | AC23A | kW   | 554,2 | 554,2 | 692,8 | 692,8 |
|                                                                                        |                  | 3x500V                     | AC23A | kW   | 554,2 | 623,5 | 692,8 | 692,8 |
|                                                                                        |                  | 3x690V                     | AC23A | kW   | 478   | 602,3 | 764,8 | 764,8 |

\*<sup>(1)</sup> Other voltages and/or utilization categories; please consult us\*<sup>(2)</sup> Indicative values, value cos φ=0,8\*<sup>(3)</sup> Without limiting protective device (short - circuit maintained 50 ms. - 200 ms.)\*<sup>(4)</sup> Please consult us for more operations

Overlapped contacts (S5S series), under request.



Also available 4P changeover switches under request, consult reference

tests:



|                                                         |                  |                  | 1250      | 1600      | 1800      | 2000      |
|---------------------------------------------------------|------------------|------------------|-----------|-----------|-----------|-----------|
| Rated capacitor power                                   | 400V, sen φ=0,65 | kVA <sub>r</sub> | 450,03    | 450,03    | 562,9     | 562,9     |
| Rated breaking capacity                                 | 400V AC22A       | A                | 3750      | 4800      | 5400      | 6000      |
| Rated making capacity                                   | 400V AC22A       | A                | 3750      | 4800      | 5400      | 6000      |
| <b>Short - circuit behaviour</b>                        |                  |                  |           |           |           |           |
| Short - circuit making capacity <sup>*(2)</sup>         | I <sub>cm</sub>  | kA (peak)        | 60        | 75        | 75        | 75        |
| Short - time withstand current (1 sec.)                 | I <sub>cw</sub>  | kA rms           | 25        | 50        | 50        | 50        |
| Minimum number of mechanical operations <sup>*(4)</sup> |                  | Cycles           | 10000     | 4500      | 4500      | 4500      |
| Minimum number of electrical operations                 | 400V AC22A       | Cycles           | 500       | 500       | 500       | 500       |
| Maximum weight (3/4 poles)                              |                  | Kg               | 65,2/72,1 | 65,2/72,1 | 65,2/72,1 | 65,2/72,1 |

### Accessories

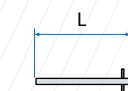


#### Direct handle

CODE D5LLI32



#### Panel handle

included shaft <sup>\*(e1)</sup>IP65|UL50E/NEMA 250  
Types: 1, 3R, 4, 4X y 12  
CODE D5LLA31

#### Shafts

Standard shaft included <sup>\*(e1)</sup>L (mm) 239  
P (mm) 572... 645

#### Auxiliary contacts

1NA+1NC CODE DS-AU11  
2NA+2NC CODE DS-AU12I<sub>e</sub> = 16 A (resistive loads)  
4 A (inductive loads) at 250 Vac.

#### Terminal shrouds

CODE DS-CU41  
(1 kit for input or output only front side)

#### Safety key lock device

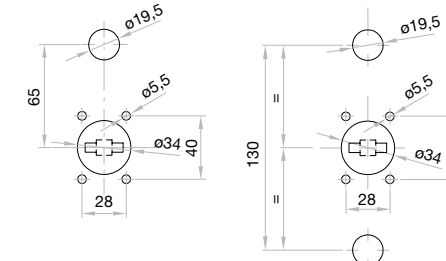
Simple CODE D5LCB41  
Double CODE D5LCF41

For external handle, lock the handle by means of a key in position "OFF" (under request, in "ON"), the key can only be removed with the handle locked

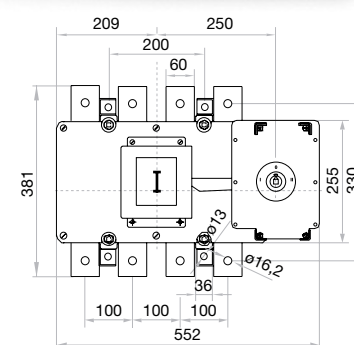
Panel drilling for handle and keylock device

Simple

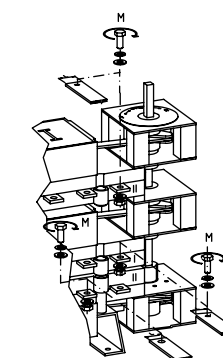
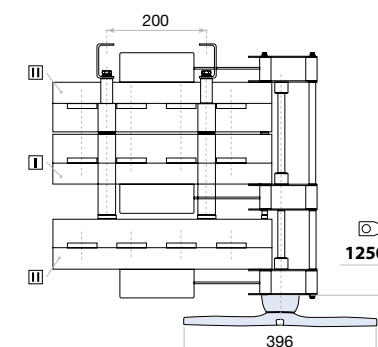
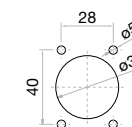
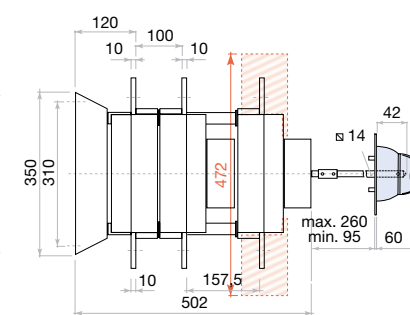
Double



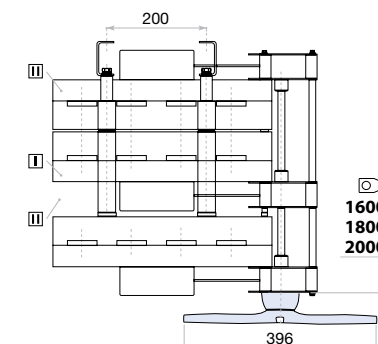
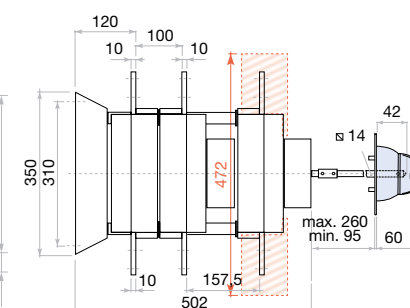
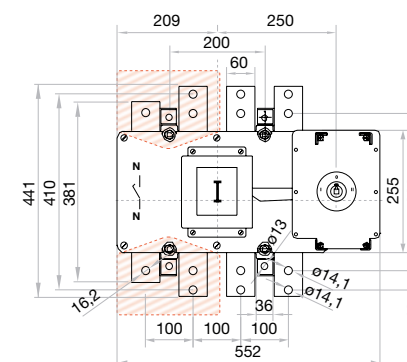
### Dimensions (mm)



Panel drilling for panel handle



| H max (Cu) | L max (Cu) | M         |
|------------|------------|-----------|
| mm         | mm         | Nxm       |
| 1250 A     | 2x7        | 80 M16 80 |



| H max (Cu)                 | L max (Cu) | M         |
|----------------------------|------------|-----------|
| mm                         | mm         | Nxm       |
| 1600 A<br>1800 A<br>2000 A | 2x7        | 80 M14 55 |