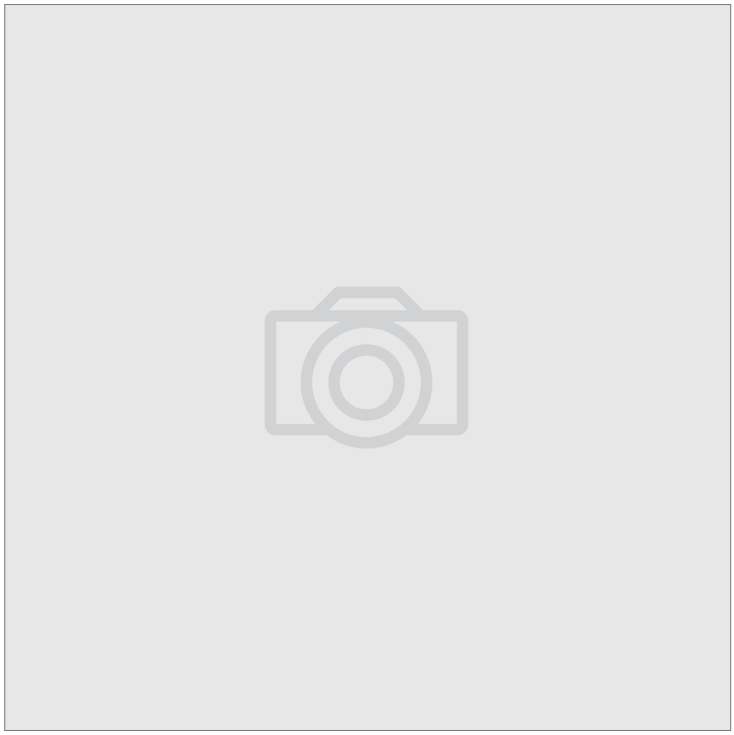
# VLB2503P

**Socomec VLB Visual Load Break Switch Kit, w/ External Handle, 3P 250A**

LOAD BREAK SWITCHES



| | |
|---|---|
| **Component type** | Switch disconnector |
| **Range** | VLB |
| **Model** | N/A |
| **Product status** | Existing |

The Socomec VLB series of load break switches features visible and positive break indication ensuring safe switching. The user can visually assess the condition of the device and confirm isolation during maintenance or prior to operation. Available from 32 to 800A, suitable for safety focus applications and emergency load break with front or side operation based on your installation preference.

## ELECTRICAL

| | |
|---|---|
| Rated permanent current at AC-21, 400 V | 250 A |
| Rated uninterrupted current Iu | 250 A |
| Number of poles | 3 |
| Rated operation power at AC-23, 400 V | 140 kW |
| Rated operation current Ie at AC-23a, 400 V | 250 A |
| Rated operation current Ie at AC-23a, 500 V | 250 A |
| Rated operation current Ie at AC-23a, 690 V | 250 A |
| Rated short-time withstand current Icw | 17 kA |
| Rated insulation voltage Ui | 800 V |
| Rated impulse withstand voltage Uimp | 8 kV |
| Type of control element | Long turning handle |
| Rated permanent current at AC-23, 400 V | 250 A |
| Number of auxiliary contacts as normally closed contact | 0 |
| Number of auxiliary contacts as normally open contact | 0 |
| Number of auxiliary contacts as change-over contact | 0 |

## CONSTRUCTION

| | |
|---|---|
| Degree of protection (IP), front side | IP65 |
| Version as main switch | Yes |
| Version as reversing switch | No |
| Number of switches | 1 |
| Suitable for front mounting 4-hole | No |
| Suitable for front mounting centre | No |
| Suitable for distribution board installation | Yes |
| Suitable for intermediate mounting | No |
| Interlockable | Yes |





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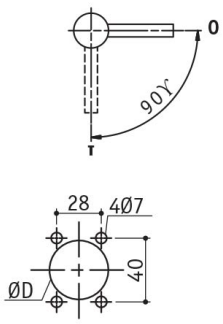
LOAD BREAK SWITCHES

| | | |
|---|---|---|
| **MECHANICAL** | Padlock locking | Yes |
| **DIMENSIONS** | Height | 195 mm |
| | Width | 234 mm |
| | Depth | 132 mm |
| | Weight | 3.2 kg |
| | Conductor cross section solid (solid, stranded) | 240 mm² |
| | Connectable conductor cross section | 240-240 mm² |

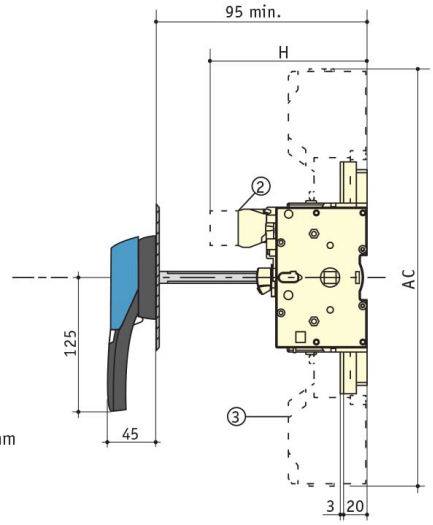
## DIMENSIONAL DIAGRAM

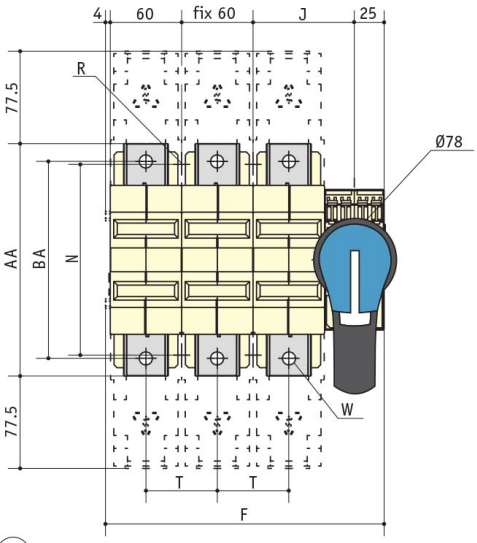
### SIDER VLB 250 to 500 A

**External front operation**




Conventional fixing (from rear): **D** = 31 to 37 mm
Fast fixing (external, door closed): **D** = 37 mm




(1) **Door drilling for front operation**

(2) **1 or 2 pre-break and signalling ACs**

(3) **Terminal shrouds**

| Rating (A) | Terminal shrouds AC | Switch body F 3p. | Switch body F 4p. | Switch body H | Switch body J | Switch mounting N | Switch mounting R | Switch mounting T | Connection terminals W | Connection terminals AA | BA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 350 | 234 | 294 | 132 | 85 | 162 | 6 | 60 | 10 | 195 | 165 |
| 315 | 350 | 234 | 294 | 132 | 85 | 162 | 6 | 60 | 10 | 195 | 165 |
| 400 | 360 | 252 | 318 | 132 | 91 | 172 | 6 | 66 | 10 | 214 | 175 |
| 500 | 360 | 252 | 318 | 132 | 91 | 172 | 6 | 66 | 10 | 214 | 175 |



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