



NH 3 strip-type fuse switch disconnecter VSD-evo

for mounting on 185 mm busbar system

- ✓ Series VSD-evo
- ✓ Size: 3 / 3-pole switchable / 630 A / 690 V
- ✓ Construction width of 100 mm
- ✓ Symmetrical safety edge
- ✓ Cable outlet top/bottom, selectable during installation
- ✓ Touch protection IP 30 with central cover
- ✓ Park position of the switch cover, even with NH fuse inserts fitted
- ✓ Cover can be locked with padlock in open/closed position
- ✓ Cover sealing
- ✓ Indicator switch retrofittable NC/NO

Version

Item	kg/piece	PU	Item no.
VSD-evo NH 3, 3-pole switchable, V terminals 35 - 240mm ²	6.0	1	208390-EVO

Checked according to

EN / IEC 60947-1, IEC 60947-3

Electrical data according to IEC/EN

Mounting type:	Rider
Number of poles:	3
Conventional thermal electricity: I_{th}	630 A
Rated operating voltage: U_e	690 V
Rated insulation voltage: U_i	1 kV
Rated impulse withstand voltage: U_{imp}	12 kV
Rated frequency:	50 ... 60 Hz
Max. permissible power loss of the NH fuse-links:	48 W
Max. permissible rated power output of the disconnecting blades:	17,5 W
Rated operating mode:	Continuous operation
Utilization category according to IEC/EN 60947-3:	
U_e : AC 400V; I_e = 630 A	AC 23 B
U_e : AC 690V; I_e = 630 A	AC 22 B
U_e : AC 690V; I_e = 630	AC 21 B
Conditional rated short-circuit current with fuse protection:	
U_e : AC 500V; I_e = 630 A	100 kA
U_e : AC 690V; I_e = 630 A	120 kA

Mechanical data

Protection class:	IP 30
Degree of soiling:	3
Size of the fusible links:	2

Cable connection (standard M12 bolt)

Standard cable connection:	M12
For cable lugs Cu max.:	300 mm ²
For cable lugs AL max.:	300 mm ²
For copper rails with max. dimensions:	40 x 10 mm
V lugs for V connection terminals:	35-300 mm ²

Busbar connection 185mm system

Standard connection:	M12
Claw clamp for busbars strength:	5 ... 10 mm

Connection terminals

Terminal	V terminals 35 - 300 mm ²	M screw M12**
Drawing of the terminal		
Cross-section of the conductor	V terminal for direct fastening of conductors with bare ends with a cross-section of	Connection screw
	35 - 240 mm ²	
	35 - 300 mm ²	
	35 - 185 mm ²	
	35 - 240 mm ²	
Tightening torque	30 Nm	32 Nm
<p>The use of bare conductor ends/cable lugs is recommended for stranded conductors</p> <p>*) if the fuse-switch disconnecter is to be equipped with a V-double-pole terminal, this must also be ordered</p> <p>**) bars with a maximum width of 40 mm and a maximum thickness of 8 mm can be attached to type M screw terminals, if a protective barrier is installed between the phases. Minimum tightening torque M12 screw for screw fixing fuse-switch disconnectors to busbar system 185mm - 32 Nm, recommended tightening torque for screws and nuts with strength class 8.8 - 32 Nm.</p>		

Dimensioned drawing

