# **Data sheet**



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# NH 3 strip-type fuse switch disconnector 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 <sup>2</sup>	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 <sub>th</sub>	630 A
Rated operating voltage: $U_e$	690 V
Rated insulation voltage: U <sub>i</sub>	1 kV
Rated impulse withstand voltage: U <sub>imp</sub>	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:

Conditional rated short-circuit current with fuse protection:

U<sub>e</sub>: AC 500V; I<sub>e</sub> = 630 A 100 kA 120 kA 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:M12For cable lugs Cu max.:300 mm²For cable lugs AL max.300 mm²For copper rails with max. dimensions:40 x 10 mmV lugs for V connection terminals:35-300 mm²

### Busbar connection 185mm system

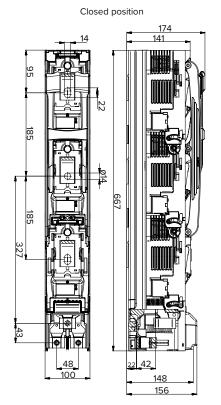
Standard connection: M12
Claw clamp for busbars strength: 5 ... 10 mm

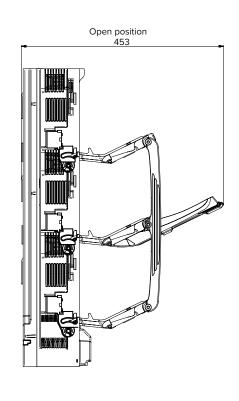
### Connection terminals

Terminal	V terminals 35 - 300 mm²	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		
	● 35 - 240 mm²	Connection screw	
	◆ 35 - 300 mm²		
	<b>⊗</b> 35 - 185 mm²		
Tightening torque	30 Nm	32 Nm	

The use of bare conductor ends/cable lugs is recommended for stranded conductors

## Dimensioned drawing







<sup>\*)</sup> if the fuse-switch disconnector is to be equipped with a V-double-pole terminal, this must also be ordered

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.