



Disconnecter vertical size3 1000A 3p M12

LVTG1000CP

Architecture

Number of poles	3 P
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Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	0/690 V

Voltage

Rated insulation voltage	1000 V
Overvoltage category according to IEC 60947-1 2.5.60 IV-supply system level (feed) Table 1	
Rated impulse withstand voltage	12 kV

Electric current

Acceptable current rating with AC22 category B	1000 A
Acceptable current rating with AC23 category B	1000 A
Cut off current	25 kA
Rated current for Ue=400V AC according to IEC 61439-1 5.3.2	1000 A
Rated current for Ue=500V AC according to IEC 61439-1 5.3.2	1000 A
Rated current for Ue=690V AC according to IEC 61439-1 5.3.2	1000 A
Rated short-time withstand current 1s	15 kA
Fuse-links test rated cond. short-circuit current Ue=400V IEC 61439-1 3.8.10.4	1000 A
Fuse-links test rated cond. short-circuit current Ue=500V IEC 61439-1 3.8.10.4	1000 A
Fuse-links test rated cond. short-circuit current Ue=690V IEC 61439-1 3.8.10.4	1000 A
Conv. free air therm.current w/fuse-links and std. cross sect. IEC60947-1 4.3.2.1	1000 A
Conventional free air thermal current with Trennmesser and std. cross section	1000 A

Electric current / temperature

Rating current 40°C	1000 A
Rating current 45°C	950 A
Rating current 50°C	900 A
Rating current 55°C	850 A
Rating current 60°C	800 A
Rating current 65°C	750 A
Rating current 70°C	700 A

Fuse

Fuse Size	NH3
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Endurance

Electric endurance in number of cycles	100
Total service life (mechanical and electrical endurance) IEC 60947-3 Table 4	600
Number of mechanical operations	500

Materials

Copper weight of the product	3980 g
Silver weight of the product	4,57 g

Dimensions

Height of installed product	188 mm
Length	743 mm
Width of installed product	100 mm
Entre-axe between bars of busbars	185 mm

Installation, mounting

Tightening torque	32Nm
Torque at mounting on busbar	32 Nm

Connection

Type of connection	Screw connection
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Standards

Operation of switching devices according to IEC 60947-1 2.4	depending manual operation (of a mechanical switching device)
Rated duties according to IEC 60947-1 4.3.4	Continuous operation
Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5	AC-22B
Utilisation category for Ue=500V AC according to IEC 60947-3 Table 5	AC-21B
Utilisation category for Ue=690V AC according to IEC 60947-3 Table 5	AC-21B
European directive WEEE	concerned

Safety

Protection index IP	IP2X
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Use conditions

Storage temperature	-40 to 70 °C
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temperatur

Max. temperature connected below with Solid-links	66 K
IEC 60947-1 Table 2	

Weight

Weight	7,6 kg
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