



LT056

Fuse switch disconnecter LT size 00/60mm 160A, box clamp 95mm²

Technical properties

Architecture

Type of product	With safety switch disconnecter
Number of poles	3 P

Main electrical features

Rated operational voltage U _e	0 / 690 V
Frequency	50-60 Hz

Voltage

Rated insulation voltage	1000 V
Rated impulse withstand voltage	8 kV

Electric current

Rated current for U _e =400V AC according to IEC 61439-1 5.3.2	160 A
Rated current for U _e =500V AC according to IEC 61439-1 5.3.2	160 A
Rated current for U _e =690V AC according to IEC 61439-1 5.3.2	160 A
Rated current	160 A
Rating current of fuse cartridge	2 / 4 / 6 / 10 / 16 / 20 / 25 / 32 / 35 / 40 / 50 / 63 / 80 / 100 / 125 / 160 A
Rated short-time withstand current 1s	5 kA
Rated conditional short-circuit current for U _e =400V IEC 61439-1 3.8.10.4	80 kA
Rated conditional short-circuit current for U _e =690V IEC 61439-1 3.8.10.4	80 kA
Fuse-links test rated cond. short-circuit current U _e =400V IEC 61439-1 3.8.10.4	160 A
Fuse-links test rated cond. short-circuit current U _e =500V IEC 61439-1 3.8.10.4	160 A
Fuse-links test rated cond. short-circuit current U _e =690V IEC 61439-1 3.8.10.4	160 A
Conventional free air thermal current with Trennmesser and std. cross section	225 A
Conv. free air therm.current w/fuse-links and std.cross sect. IEC60947-1 4.3.2.1	160 A
Acceptable current rating with AC22 category B	160 A
Rated conditional short-circuit current for U _e =500V IEC 61439-1 3.8.10.4	80 kA
Rated current for U _e =220V DC according to IEC 61439-1 5.3.2	160 A
Rated current for U _e =440V DC according to IEC 61439-1 5.3.2	100 A

Electric current / temperature

Rating current 40°C	160 A
Rating current 45°C	152 A
Rating current 50°C	144 A
Rating current 55°C	136 A
Rating current 60°C	128 A
Rating current 65°C	120 A
Rating current 70°C	112 A

Fuse

CharactFuse	gG ; gL ; aM ; aR ; gR ; gF ; gRB ; URB ; URD
Fuse Size	NH00

Dimensions

Depth of installed product	104 mm
Height of installed product	206 mm
Length	150 mm
Width of installed product	106 mm

Power

Total power loss under IN	14 W
Loss power at full load	50 W
Maximum Power loss of the Fuse-Link installed in device	12 W
Dissipated energy in cable	30.46 W

Endurance

Electric endurance in number of cycles	200
Number of mechanical operations	1400
Total service life (mechanical and electrical endurance) IEC 60947-3 Table 4	1600

Materials

Copper weight of the product	130 g
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Installation, mounting

Tightening torque	4,5Nm
Torque at mounting on busbar	6 Nm

Connection

Connection cross-sect. flexible conductor	6 / 95mm ²
Connection cross-sect. rigid cable	6 / 95mm ²
Input connection type	Busbar 60 mm
Terminal type of the outputs	Cage terminals with screw

Standards

Rated duties according to IEC 60947-1 4.3.4	Continuous operation
Operation of switching devices according to IEC 60947-1 2.4	depending manual operation (of a mechanical switching device)
Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5	AC-23B

Utilisation category for Ue=500V AC according to IEC 60947-3 Table 5	AC-22B
Utilisation category for Ue=690V AC according to IEC 60947-3 Table 5	AC-21B
Standard cross section according to IEC 60947-1 Tables 9 and 10	70 mm ²
Utilisation category for Ue=220V DC according to IEC 60947-3 Table 5	DC-22B
Utilisation category for Ue=440V DC according to IEC 60947-3 Table 5	DC-22B

Safety

REACH conform	Yes
RoHS conform	Yes
Halogen free	Yes

Use conditions

Operating temperature	-25...55 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Storage/transport temperature	-40...70 °C

temperatur

Max. temperature connected above with Fuse-Links IEC 60947-1 Tab 2	68 K
Max. temperature connected above with Solid-links IEC 60947-1 Table 2	69.5 K