



LT150

Fuse switch disconnecter LT size 1 250A for mounting plate, terminal M10

Technical properties

Architecture

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

Main electrical features

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

Voltage

Rated insulation voltage	1000 V
Rated impulse withstand voltage	8 kV

Electric current

Rated current for Ue=400V AC according to IEC 61439-1 5.3.2	250 A
Rated current for Ue=500V AC according to IEC 61439-1 5.3.2	250 A
Rated current for Ue=690V AC according to IEC 61439-1 5.3.2	250 A
Rated current	250 A
Rating current of fuse cartridge	2 / 4 / 6 / 10 / 16 / 20 / 25 / 32 / 35 / 40 / 50 / 63 / 80 / 100 / 125 / 160 / 200 / 224 / 250 A
Rated short-time withstand current 1s	8.6 kA
Rated conditional short-circuit current for Ue=400V IEC 61439-1 3.8.10.4	80 kA
Rated conditional short-circuit current for Ue=690V IEC 61439-1 3.8.10.4	80 kA
Fuse-links test rated cond. short-circuit current Ue=400V IEC 61439-1 3.8.10.4	250 A
Fuse-links test rated cond. short-circuit current Ue=500V IEC 61439-1 3.8.10.4	250 A
Fuse-links test rated cond. short-circuit current Ue=690V IEC 61439-1 3.8.10.4	250 A
Conventional free air thermal current with Trennmesser and std. cross section	365 A
Conv. free air therm.current w/fuse-links and std.cross sect. IEC60947-1 4.3.2.1	250 A
Acceptable current rating with AC22 category B	250 A
Rated conditional short-circuit current for Ue=500V IEC 61439-1 3.8.10.4	80 kA
Rated current for Ue=250V DC according to IEC 61439-1 5.3.2	250 A
Rated current for Ue=440V DC according to IEC 61439-1 5.3.2	250 A

Electric current / temperature

Rating current 40°C	250 A
Rating current 45°C	237.5 A
Rating current 50°C	225 A
Rating current 55°C	212.5 A
Rating current 60°C	200 A
Rating current 65°C	187.5 A
Rating current 70°C	175 A

Fuse

CharactFuse	gG ; gL ; aM ; aR ; gR ; gF ; gRB ; URB ; URD
Fuse Size	NH1

Dimensions

Depth of installed product	110 mm
Height of installed product	304 mm
Length	303 mm
Width of installed product	184 mm

Power

Total power loss under IN	18 W
Loss power at full load	87 W
Maximum Power loss of the Fuse-Link installed in device	23 W
Dissipated energy in cable	41.44 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	301 g
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Installation, mounting

Tightening torque	20
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Connection

Connection cross-sect. flexible conductor	6 / 150mm ²
Connection cross-sect. rigid cable	6 / 150mm ²
Input connection type	Connexion with screw
Terminal type of the outputs	Connexion 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-23B

Subject to technical modifications

Utilisation category for Ue=690V AC according to IEC 60947-3 Table 5	AC-22B
Standard cross section according to IEC 60947-1 Tables 9 and 10	120 mm ²
Utilisation category for Ue=250V DC according to IEC 60947-3 Table 5	DC-22B
Utilisation category for Ue=440V DC according to IEC 60947-3 Table 5	DC-21B

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

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Max. temperature connected above with Fuse-Links IEC 60947-1 Tab 2	69 K
Max. temperature connected above with Solid-links IEC 60947-1 Table 2	70 K