



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 <sup>2</sup>
Connection cross-sect. rigid cable	6 / 150mm <sup>2</sup>
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 <sup>2</sup>
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

#### **temperatur**

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