



Fus.-swi.-disconn. LT size 1 60mm M10

LT153

Architecture

Type of product	With safety switch disconnector
Number of poles	3 P
Type of pole	3 P

Controls and indicators

With fault indicator	no
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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	8 kV

Electric current

Acceptable current rating with AC22 category B	250 A
Rated current for Ue=250V DC according to IEC 61439-1 5.3.2	250 A
Rated current for Ue=400V AC 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
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
Rating current of fuse cartridge	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=500V IEC 61439-1 3.8.10.4	80 kA

Technical Properties

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
Conv. free air therm.current w/fuse-links and std. cross sect. IEC60947-1 4.3.2.1	250 A
Conventional free air thermal current with Trennmesser and std. cross section	365 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
Fuse Size	NH1

Power

Loss power at full load	~ 89 W
Maximum Power loss of the Fuse-Link installed in device	23 W
Total power loss under IN	20 W
Dissipated energy in cable	85 W

Endurance

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

Materials

Copper weight of the product	444 g
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Dimensions

Depth of installed product	110 mm
Height of installed product	306 mm
Width of installed product	184 mm

Installation, mounting

Tightening torque	20
Torque at mounting on busbar	6 Nm

Connection

Connection cross-sect. rigid cable	6 / 150mm ²
Connection cross-sect. flexible conductor	6 / 150mm ²
Input connection type	Busbar 60 mm
Terminal type of the outputs	Connexion with screw

Standards

Degree of protection (NEMA)	1
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
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=400V AC according to IEC 60947-3 Table 5	AC-23B
Utilisation category for Ue=440V DC according to IEC 60947-3 Table 5	DC-21B
Utilisation category for Ue=500V AC according to IEC 60947-3 Table 5	AC-23B
Utilisation category for Ue=690V AC according to IEC 60947-3 Table 5	AC-22B
European directive WEEE	concerned

Safety

Protection index IP	IP3X
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Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Storage temperature	-40 to 70 °C

temperatur

Max. temperature connected above with Fuse-Links IEC 60947-1 Tab 2	69 K
Max. Busbar temperature with Fuse-Links IEC 60947-1 Table 2	50 K

Weight

Weight	2,27 kg
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