



LT250

Fus.-swi.-disconn. LT size 2 mon.pl. M10

Architecture

Type of product	With safety switch disconnecter
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	8000 V

Electric current

Acceptable current rating with AC22 category B	400 A
Rated current for Ue=250V DC according to IEC 61439-1 5.3.2	400 A
Rated current for Ue=400V AC according to IEC 61439-1 5.3.2	400 A
Rated current for Ue=440V DC according to IEC 61439-1 5.3.2	400 A
Rated current for Ue=500V AC according to IEC 61439-1 5.3.2	400 A
Rated current for Ue=690V AC according to IEC 61439-1 5.3.2	400 A
Rating current of fuse cartridge	35/40/50/63/80/100/125/160/200/ 224/250/300/315/355/400 A
Rated short-time withstand current 1s	15,2 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	400 A
Fuse-links test rated cond. short-circuit current Ue=500V IEC 61439-1 3.8.10.4	400 A
Fuse-links test rated cond. short-circuit current Ue=690V IEC 61439-1 3.8.10.4	400 A
Conv. free air therm.current w/fuse-links and std. cross sect. IEC60947-1 4.3.2.1	400 A
Conventional free air thermal current with Trennmesser and std. cross section	590 A

Electric current / temperature

Rating current 40°C	400 A
Rating current 45°C	380 A
Rating current 50°C	360 A
Rating current 55°C	340 A
Rating current 60°C	320 A
Rating current 65°C	300 A
Rating current 70°C	280 A

Fuse

CharactFuse	gG
Fuse Size	NH2

Power

Loss power at full load	~ 126 W
Maximum Power loss of the Fuse-Link installed in device	34 W
Total power loss under IN	24,5 W
Dissipated energy in cable	122 W

Endurance

Electric endurance in number of cycles	200
Total service life (mechanical and electrical endurance) IEC 60947-3 Table 4	1000
Number of mechanical operations	800

Materials

Copper weight of the product	1003 g
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Dimensions

Depth of installed product	130 mm
Height of installed product	308 mm
Width of installed product	210 mm

Installation, mounting

Tightening torque	20
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Connection

Connection cross-sect. rigid cable	70 / 300mm ²
Connection cross-sect. flexible conductor	70 / 300mm ²
Input connection type	Connexion with screw
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	240 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	65 K
Max. temperature connected above with Solid-links IEC 60947-1 Table 2	64,5 K
Max. temperature connected below with Fuse-Links IEC 60947-1 Table 2	49 K
Max. temperature connected below with Solid-links IEC 60947-1 Table 2	55 K

Weight

Weight	3,2 kg
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