



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

Technical properties

Arc	hite	cti	Iro

Type of product	With safety switch disconnector
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
Rated conditional short-circuit current for Ue=500V IEC 61439-1 3.8.10.4 Rated current for Ue=250V DC according to EC 61439-1 5.3.2 Rated current for Ue=440V DC according to	250 A 80 kA 250 A

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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6/150mm² Connection cross-sect. rigid cable 6/150mm² 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 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-238	Electric current / temperature		
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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 Useful of installed product 184 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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. flexible conductor 6 / 150mm² 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 of Coperation of switching device) 200 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operation of a mechanical incording to IEC 60947-1 2.4 depending manual operatio	Rating current 45°C	237.5 A	
Rating current 60°C 187.5 A Rating current 65°C 187.5 A Rating current 70°C 175. A Rating current 65°C 187.5 A Rating current 70°C 175. A Rating curren	Rating current 50°C	225 A	
Rating current 65°C 187.5 A Rating current 70°C 175 A Rating current 7	Rating current 55°C	212.5 A	
Rating current 70°C 175 A Fuse CharactFuse	Rating current 60°C	200 A	
Fuse CharactFuse C	Rating current 65°C	187.5 A	
CharactFuse gG; gL; aM; aR; gR; gRB; URB; URB ; URD Fuse Size NH1 Dimensions Depth of installed product 110 mm Height of installed product 304 mm Uength 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) EC 60947-3 Table 4 1600 Materials Copper weight of the product 301 g Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² Tome tight connection type 200 connexion with screw Terminal type of the outputs 200 connexion with screw Terminal type of the outputs 200 connexion of a mechanical EC 60947-3 Table 4 200 connexion of switching devices according to lEC 60947-1 2.4 4 3.4 2 Continuous operation (Operation of switching devices according to lEC 60947-1 2.4 5 continuous operation (Operation of switching devices) 200 depending manual operation (of a mechanical EC 60947-3 Table 5 AC-238 Utilisation category for Ue=400V AC according to lEC 60947-3 Table 5 AC-238 Utilisation category for Ue=500V AC	Rating current 70°C	175 A	
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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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² Input connection type Connexion with screw Terminal type of the outputs Connexion with screw Terminal type of the outputs depending manual operation (of a mechanical IEC 60947-1 2.4 Switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-238 Utilisation category for Ue=500V AC	Power		
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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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² 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 depending manual operation (of a mechanical IEC 60947-1 2.4 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Loss power at full load	87 W	
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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² 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 depending manual operation (of a mechanical IEC 60947-1 2.4 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-238 Utilisation category for Ue=500V AC		23 W	
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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² 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 of switching devices according to IEC 60947-1 2.4 switching devices according to IEC 60947-3 Table 5 AC-238 Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-238 Utilisation category for Ue=500V AC	Dissipated energy in cable	41.44 W	
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 Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² 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 depending manual operation (of a mechanical IEC 60947-1 2.4 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-238 Utilisation category for Ue=500V AC	Endurance		
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endurance) IEC 60947-3 Table 4 Materials Copper weight of the product Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 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 Williastion category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Number of mechanical operations	1400	
Installation, mounting Tightening torque 20 Connection Connection cross-sect. flexible conductor 6 / 150mm² Connection cross-sect. rigid cable 6 / 150mm² 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 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	•	1600	
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Connection Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 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 Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Installation, mounting		
Connection cross-sect. flexible conductor Connection cross-sect. rigid cable 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 Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Tightening torque	20	
Connection cross-sect. rigid cable 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 Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Connection		
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 IEC 60947-1 2.4 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Connection cross-sect. flexible conductor	6 / 150mm²	
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 Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Connection cross-sect. rigid cable	6 / 150mm²	
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	Input connection type	Connexion with screw	
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	Terminal type of the outputs	Connexion with screw	
Operation of switching devices according to depending manual operation (of a mechanical IEC 60947-1 2.4 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Standards		
IEC 60947-1 2.4 switching device) Utilisation category for Ue=400V AC according to IEC 60947-3 Table 5 AC-23B Utilisation category for Ue=500V AC	Rated duties according to IEC 60947-1 4.3.4	Continuous operation	
according to IEC 60947-3 Table 5 Utilisation category for Ue=500V AC			
	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	

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 mm²
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	-2555 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Storage/transport temperature	-4070 °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