Fus.-swi.-disconn. LT size 00 DIN M8

LT052

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

Main electrical features

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

Voltage

Rated insulation voltage	1000 V
Overvoltage category according to IEC 60947-1 2.5.60 Table 1	IV-supply system level (feed)
Rated impulse withstand voltage	8 kV

Electric current

Rated current for Ue=400V AC according to IEC 61439-1 5.3.2	160 A
Rated current for Ue=500V AC according to IEC 61439-1 5.3.2	160 A
Rated current for Ue=690V AC according to IEC 61439-1 5.3.2	160 A
Rated current	160 A
Rating current of fuse cartridge	6/10/16/20/25/32/35/40/50/63/80/100/125/160 A
Rated short-time withstand current 1s	5 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	160 A
Fuse-links test rated cond. short-circuit current Ue=500V IEC 61439-1 3.8.10.4	160 A

Technical Properties

Fuse-links test rated cond. short-circuit current Ue=690V IEC 61439-1 3.8.10.4	160 A
Conventional free air thermal current with Trennmesser and std. cross section	225 A
Conv. free air therm.current w/fuse-links and std. cross sect. IEC60947-1 4.3.2.1	160 A
Acceptable current rating with AC22 category B	160 A
Rated conditional short-circuit current for Ue=500V IEC 61439-1 3.8.10.4	80 kA
Rated current for Ue=220V DC according to IEC 61439-1 5.3.2	160 A
Rated current for Ue=440V DC according to IEC 61439-1 5.3.2	100 A

Electric current / temperature

Rating current 40°C	160 A
Rating current 45°C	152 A
Rating current 50°C	144 A
Rating current 55°C	136 A
Rating current 60°C	128 A
Rating current 65°C	120 A
Rating current 70°C	112 A

Fuse

CharactFuse	gG
Fuse Size	NH00

Power

Total power loss under IN	9 W
Loss power at full load	~ 45 W
Maximum Power loss of the Fuse-Link installed in device	12 W
Dissipated energy in cable	46,5 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	129 g

Dimensions

Depth of installed product	80 mm
Height of installed product	206 mm
Length	150 mm
Width of installed product	106 mm

Installation, mounting

Tightening torque	12Nm

Connection

Connection cross-sect. flexible conductor	6 / 95mm²
Connection cross-sect. rigid cable	6 / 95mm²
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-22B
Utilisation category for Ue=690V AC according to IEC 60947-3 Table 5	AC-21B
European directive WEEE	concerned
Standard cross section according to IEC 60947-1 Tables 9 and 10	70 mm²
Utilisation category for Ue=220V DC according to IEC 60947-3 Table 5	DC-22B
Utilisation category for Ue=440V DC according to IEC 60947-3 Table 5	DC-22B

Safety

Protection index IP	IP3X
Degree of protection (NEMA)	1

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	62 K
Max. temperature connected above with Solid-links IEC 60947-1 Table 2	68 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	59 K

Weight

Weight	0,718 kg