



## Fus.-swi.-disconn. LT size 00 60mm BC

LT056

### Architecture

Type of product	With safety switch disconnect
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 U <sub>e</sub>	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	160 A
Rated current for U <sub>e</sub> =220V DC according to IEC 61439-1 5.3.2	160 A
Rated current for U <sub>e</sub> =400V AC according to IEC 61439-1 5.3.2	160 A
Rated current for U <sub>e</sub> =440V DC according to IEC 61439-1 5.3.2	100 A
Rated current for U <sub>e</sub> =500V AC according to IEC 61439-1 5.3.2	160 A
Rated current for U <sub>e</sub> =690V AC according to IEC 61439-1 5.3.2	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 U <sub>e</sub> =400V IEC 61439-1 3.8.10.4	80 kA
Rated conditional short-circuit current for U <sub>e</sub> =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	160 A
Fuse-links test rated cond. short-circuit current Ue=500V IEC 61439-1 3.8.10.4	160 A
Fuse-links test rated cond. short-circuit current Ue=690V IEC 61439-1 3.8.10.4	160 A
Conv. free air therm.current w/fuse-links and std. cross sect. IEC60947-1 4.3.2.1	160 A
Conventional free air thermal current with Trennmesser and std. cross section	225 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**

Loss power at full load	~ 50 W
Maximum Power loss of the Fuse-Link installed in device	12 W
Total power loss under IN	14 W
Dissipated energy in cable	46,5 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	130 g
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**Dimensions**

Depth of installed product	104 mm
Height of installed product	206 mm
Length	150 mm
Width of installed product	106 mm

**Installation, mounting**

Tightening torque	4,5Nm
Torque at mounting on busbar	6 Nm

### Connection

Connection cross-sect. rigid cable	6 / 95mm <sup>2</sup>
Connection cross-sect. flexible conductor	6 / 95mm <sup>2</sup>
Input connection type	Busbar 60 mm
Terminal type of the outputs	Cage terminals 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	70 mm <sup>2</sup>
Utilisation category for Ue=220V 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-22B
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

### 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	68 K
Max. temperature connected above with Solid-links IEC 60947-1 Table 2	69,5 K
Max. Busbar temperature with Fuse-Links IEC 60947-1 Table 2	46 K
Max. Busbar temperature with Solid-links IEC 60947-1 50 K Table 2	50 K

### Weight

Weight	0,8 kg
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