



15646

Function

- The STI isolatable fuse-carriers provide overload and short-circuit protection.
- They are used for industrial applications requiring a high breaking capacity.
- They perform the isolation function and must not be used as switches.
- They can be equipped with an indicator light indicating blowing of the fuse cartridge.
- Isolation of all poles is guaranteed for the 2P, 3P, and 3P+N versions during factory assembly.

The general purpose fuse (gG fuse) provides overload and short-circuit protection. The fuse for motor application (**aM fuse**) only provides short-circuit protection. It is used for protection of loads with a high peak current (motors, transformer primaries, etc.).

Technical data

- Compliance with standards:
 - STI : IEC EN 60947-3
 - Cartridges :
 - NF C 60-200, NF C 63-210 and IEC 60269-1/2
 - Véritas and Lloyd's approved.
- Operating frequency: 50/60 Hz.
- Insulation voltage: 690 V.
- Isolation with positive contact indication **by tilting the fuse-carrier** :
 - captive fuse-carrier
 - additional housing is provided for a spare fuse.
- To be equipped with aM or gG (gL - gl) type fuse cartridge without striker, with or without fuse blowing indicator:

Fuse cartridge type		Ith (A)	Pmax (W)
8.5 x 31	aM	10	3
	gG	20	3
10.3 x 38	aM	25	3.5
	gG	32	3.5

Pmax: maximum dissipated power per fuse cartridge.

- Cartridge blowing signalling (option): by indicator light ON after blowing.
- Operating temperature: -20°C to +60°C.
- Storage temperature: -40°C to +80°C.

Specific technical data STI 1P+N and 3P+N

- Disconnection of the phase and neutral in the normal dimensions of the phase (2 mod. of 9 mm).
- Phase opening causes compulsory opening of the neutral.
- The phase opens before the neutral on isolation and closes after the neutral on circuit closing.

Catalogue numbers

Fuse cartridge							STi fuse holder					
Fuse cartridge type	Rating (A)	Voltage rating Ue (V AC)	Short-circuit current Isc (kA)		Fuse cartridge catalogue number		Network type					Terminal types
			aM	gG	aM	gG	1P	1P+N ⁽¹⁾	2P	3P	3P+N ⁽¹⁾	
												
8.5 x 31.5	2	400	20	20	15733	15767	15635	15645	15650	15655	15657	Tunnel terminals: up to 10 mm²
	4	400	20	20	15734	15768						
	6	400	20	20	15735	15769	2 modules of 9 mm	2 modules of 9 mm	4 modules of 9 mm	6 modules of 9 mm	6 modules of 9 mm	
	10	400	20	-	15737	-						
10.3 x 38	2	500	120	120	15742	15775	15636	15646	15651	15656	15658	Tunnel terminals: up to 10 mm²
	4	500	120	120	15743	15776						
	6	500	120	120	15744	15777	2 modules of 9 mm	2 modules of 9 mm	4 modules of 9 mm	6 modules of 9 mm	6 modules of 9 mm	
	10	500	120	120	15746	15779						
	25	400	120	-	15750	-						

(1) Le pôle de neutre est équipé d'un tube verrouillé.

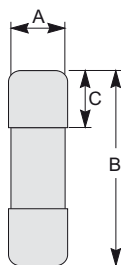


Indicator light (option)

Indicator light (option)	Voltage (V AC)	Réf.
1-part blister	230 (400 V maximum)	15668

aM, gG fuse dimensions

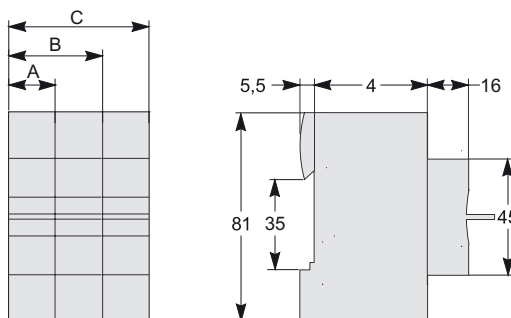
Fuse type	A	B	C
8.5 x 31.5	8.5	31.5	10.3
10.3 x 38	10.3	38	10.5



Connections and tightening torques

Fuse cartridge type	Stripping length	Mono cable rigid	flexible	Multi-cables rigid	flexible or with end piece	Tightening torque	Posidriv
8.5 x 31.5 10.3 x 38	12 mm	0.75...10 mm ²	0.33...6 mm ²	0.75...10 mm ²	0.33...6 mm ²	2 N.m	Ø 5.5 mm

Dimensions



Type	Reference	Dimensions (mm)	Width in mod. of 9 mm
1P, 1P+N	A	18	2
2P	B	36	4
3P, 3P+N	C	54	6