



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






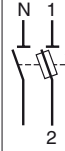
*Pmax: maximum dissipated power per fuse cartridge.*

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

<sup>(1)</sup> Le pôle de neutre est équipé d'un tube verrouillé.

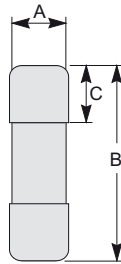


## Indicator light (option)

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

## aM, gG fuse dimensions

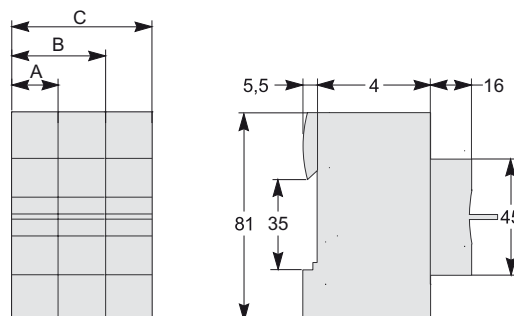
Fuse type	A	B	C
8.5 x 31.5	8.5	31.5	10.3
10.3 x 38	10.3	38	10.5



## 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 <sup>2</sup>	0.33...6 mm <sup>2</sup>	0.75...10 mm <sup>2</sup>	0.33...6 mm <sup>2</sup>	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