

# 3M

## 10-Pair Protection Magazine STG SDR CH10 for 3-Pole Arrestor

The protection magazine is used to protect the 3M™ Module STG 2000 against overvoltage

- The magazine is black
- All plastic parts are made with flame retardant glass-filled polycarbonate, UL94V0
- All contacts are made with bronze material plated with bright tin lead
- The magazine is composed of:
  - One plastic body
  - One plastic insert
  - 20 bronze line contacts to connect each line electrodes of the arrestor
  - 10 bronze ground contacts, to connect each ground electrode of the arrestor
  - Two bronze ground contacts to connect the magazine to the frame



3M™ 10-Pair Protection Magazine STG SDR CH10 with 3-Pole Arrestor

## FEATURES AND BENEFITS

The arrestors are 3-pole type, equipped with fail-safe	Front face protection facility
In the standard case, the arrestors are available in two models : 250 V and 420 V	Small space needed (similar to IDC STG strip alone)
For specific application, other models are available	Modular protection for 10-pair

## SPECIFICATIONS

Insulation resistance	1 m $\Omega$
Between tip and ring	>10 G $\Omega$
Between tip/rig and ground	> 10 G $\Omega$
Leading though resistance	
Between ground contacts and frame	< 40 m $\Omega$
<b>Dimensions</b>	
Magazine alone	
Length	5.11 in. (130 mm)
Width	5.47 in. (13,9 mm)
Height	11.73 in. (29,8 mm)
Magazine with STG strip	
Length	5.11 in. (130 mm)
Width	5.47 in. (13,9 mm)
Height	28.15 in. (71,5 mm)



## ARRESTOR SPECIFICATIONS

Characteristics			
Reference	231039	231040	233211
DC spark over voltage (100 v / s)	250 V $\pm$ 20%	350 V $\pm$ 20%	420 V $\pm$ 20%
DC spark over voltage (1KV/micro s)	< 600 V	< 800 V	< 900 V
Nominal impulse discharge current (wave 8/20)	10 KA (total current)	10 KA (total current)	10 KA (total current)
Nominal alternative discharge current (50 Hz)	10 A (total current)	10 A (total current)	10 A (total current)
Insulation resistance	10 G $\Omega$	10 G $\Omega$	10 G $\Omega$

## 3M™ 10-PAIR PROTECTION MAGAZINE STG SOR CH10

### ORDERING INFORMATION

### REF. NO



10-pair protection magazine STG-SOR CH10 without GDT Unit: 1 magazine. Weight: .08 lbs. (0,036 kgs) for 1 magazine Packaging: 20 magazines	C233726B
10-pair protection magazine STG-SOR CH10 without GDT Unit: 1 magazine. Weight: .08 lbs. (0,036 kgs) for 1 magazine Packaging: 10 magazines	C233752A
10-pair protection magazine STG-SOR CH10 with GDT 250V+FS Unit: 1 magazine. Weight: .12 lbs. (0,055 kgs) for 1 magazine Packaging: 20 magazines	C233740B
10-pair protection magazine STG-SOR CH10 with GDT 250V+FS Unit: 1 magazine. Weight: .12 lbs. (0,055 kgs) for 1 magazine Packaging: 10 magazines	C233758A
10-pair protection magazine STG-SOR CH10 with GDT 350V+FS Unit: 1 magazine. Weight: .12 lbs. (0,055 kgs) for 1 magazine Packaging: 20 magazines	C233741B
10-pair protection magazine STG-SOR CH10 with GDT 420V+FS Unit: 1 magazine. Weight: .12 lbs. (0,055 kgs) for 1 magazine Packaging: 10 magazines	C233759A

### ACCESSORIES



3-pole surge arrester 250V-L10 mm with fail-safe	C231039A
3-pole surge arrester 350V-L10 mm with fail-safe	C231040A
Set of eight 3-pole surge arresters 420V-L10 mm with fail-safe	C231025A
Combined INSERTION / EXTRACTION tool for arresters OUT-SOR OEP	C222053A

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## **Communication Markets Division 3M Telecommunications**

6801 River Place Blvd.  
Austin, TX 78726-9000  
800/426 8688  
Fax 800/626 0329  
www.3MTelecommunications.com

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