

A wide range to meet the needs of any application

Fuse Size	Modulostar				Former range			
	Range	Catalog Number	FS ref. number	Configuration	Catalog Number	Former FS ref. number		
8x32	CMS	CMS81	X305000K	1 pole 8x31	MSC81	T219253K		
		CMS82	Z305002F	2 pole	MSC82	R212604F		
		CMS83	A305003D	3 pole	MSC83	W213620D		
10x38	CMS	CMS81N	Y305001F	1 pole + neutral	MSC81N	B211049F		
		CMS101	T305020K	1 pole 10x38	MSC101	O216674K		
		CMS102	W305022F	2 pole	MSC102	E213212F		
		CMS103	X305023D	3 pole	MSC103	M215650D		
		CMS101N	V305021F	1 pole + neutral	MSC101N	C212085F		
		CMS101I	A305026K	1 pole + indicator light	MSC101I	W219784K		
		CMS810N	D305006K	neutral	MSC810N	O218215K		
		CCR	CCR101	N218213K	1 pole 10x38 compact		No change	
			CCR101N1M	H215655K	1 pole + neutral + 1 microswitch		No change	
			CCR810N	Z214635K	neutral		No change	
	MSC	MSC101N1M	Y201317K	1 pole + neutral + 1 microswitch		No change		
		MSC103N3M	S218217D	3 pole + neutral + 3 microswitches		No change		
US (CEI et 9A)	US	US101	B305050K	1 pole	USM 1 or ST10	Y312944K / G081219K / G081219C		
		US102	D305052F	2 pole	USM 2 or ST10 II	N217523F / E081240F / E081240A		
		US103	E305053D	3 pole	USM 3 or ST10 III	C218548D / F081241D / F081241A		
		US10N	H305056K	neutral	USN or ST810N	W201131K / H081220K / H081220C		
		US101I	J305057K	1 pole + indicator light	USM 1I	L214462K		
Tout 10x38	CMS	CMS810PAK	Z233725	Multi-pole assembly kit for 10x38 (excepted MSC)				
		CMSFM10	S302765	3 pole 10x38 compact		New		
		CMSFM10M	T302766	3 pole compact with microswitch		New		
		CMSFM10I	W302768	3 pole compact with indicator light		New		
		CMSFM10MI	V302767	3 pole compact with microswitch & indicator light		New		
		USFMM (9A)	USFMM	D302775	3 pole compact 10x38 & Midget		New	
			USFMMM	E302776	idem with microswitch		New	
			USFMMI	G302778	idem with indicator light		New	
			USFMMMMI	F302777	idem with microswitch & indicator light		New	
		CC UL listed	US	USBCC1	H305033K	1 pole	USCC1	B213441K
USBCC1I	P305039K			1 pole + indicator light	USCC1I	X213943K		
USBCC2I	Q305041D			2 pole + indicator light	USCC2I	D217008F		
USBCC3I	S305042C			3 pole + indicator light	USCC3I	Y218038D		
USFMCC	P302762A			3 pole compact CC		New		
USFMCCM	B302796A			idem with microswitch		New		
USFMCCI	O302763A			idem with indicator light		New		
USFMCCMI	R302764A			idem with indicator light & microswitch		New		
14x51	CMS			CMS141	F222990F	1 pole 14x51		No change
				CMS142	J211056C	2 pole		No change
		CMS143	J212091B	3 pole		No change		
		CMS141N	E201323C	1 pole + neutral		No change		
		CMS141M	K214645F	1 pole + microswitch		No change		
		CMS143M	T215665B	3 pole + microswitch		No change		
		CMS141I	M200778F	1 pole + indicator light		No change		
		US (CEI et 9A)	US141	T227901F	1 pole		No change	
			US142	C227909C	2 pole		No change	
			US143	J227915B	3 pole		No change	
		US141N	Y227905C	1 pole + neutral		No change		
		US141M	W227903F	1 pole + microswitch		No change		
		US143M	L227917B	3 pole + microswitch		No change		
		US141I	V227902F	1 pole + indicator light		No change		
		22x58	CMS	CMS221	E213628F	1 pole 22x58		No change
				CMS222	V215666C	2 pole		No change
				CMS223	Z216682B	3 pole		No change
				CMS221N	L214646C	1 pole + neutral		No change
				CMS221M	D219262F	1 pole + microswitch		No change
			CMS223M	O222470B	3 pole + microswitch		No change	
	CMS221I	H214137F	1 pole + indicator light		No change			
Tout 14 et 22		CMS1422PAK	Z218223	Multi-pole assembly kit for 10x38 (excepted MSC)				
27x60	CMS	CMS271	R210580C	1 pole 27x60		No change		
		US	US272I	L226422A	2 pole + indicator lights		No change	



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**MODUL STAR**

Amalgame - GR022 - 09/2005

**CL**  
CARBONE LORRAINE

**Modulostar: a leader's range and the widest one on the market**

- single pole
- single pole + neutral
- 2 pole
- 3 pole
- 3 pole + neutral
- 4 pole



**The range also includes a multitude of options and accessories to offer even more functions**

**Options**

- Blown fuse indicator light
- Micro-switch to check that a fuse is in the holder, indicate when the fuse blows, and provide pre-isolation

**Accessories**

- Auxiliary micro-switch kits (single pole, 2 pole, 3 pole)
- Assembly pins for 2 micro-switch kits
- Multi-pole assembly kit
- Blown fuse indicator kit
- Padlocking system
- Comb busbar connection
- Inlet terminals



**Modulostar: a leader's range and the widest one on the market**

**MODULOSTAR**<sup>®</sup>

the modular star in the firmament of  
**Ferraz Shawmut**  
brand name products

A complete, global range of fuse holders and fuse disconnectors designed to be environment friendly

**A global range**

There are Modulostar models for all ferrule-style class gG and aM fuses built to IEC standards, for ferrule-style fuses built to UL standards, midget and CC fuses, and gR and aR fuses of five different sizes – 8x32, 10x38, 14x51, 22x58 and 27x60. All Modulostar products are made in compliance with prevailing standards: IEC 60269-2, IEC 60947-1 & 3, UL512 and CSA22-2.

For the American market, UL compliant Modulostar products are sold under the UltraSafe™ brand.



Modulostar is a global brand, since products are available at our distributors' 4500 points of sale around the world.

**A range designed to be environment friendly**

Ferraz Shawmut considers it a duty to enhance the safety of people and property via electrical protection solutions, while contributing to the protection of an environmental heritage that belongs to all of us. Modulostar products were designed from the outset with those aims in view.



Although they are not in the scope of European directive 2002/95/CE of 27 January 2003, called the RoHS directive (Restriction of Hazardous Substances), Modulostar products are free of the 6 prohibited materials: lead, hexavalent chromium, mercury, cadmium, halogen (PBB, PBDE).

Using the EIME (Environmental Information & Management Explorer) eco-design software has highlighted the improvement in the product environmental profile thanks to an appropriate selection of the plastic material.



**Compatible**  
Standard width for a perfect fit in enclosures

**Compact**  
Compact shape for reduced overall dimensions



**Compatible**  
Window height 45 mm compatible with modular systems

**Compatible**  
Height compatible with most electrical equipment, making upstream connection easier



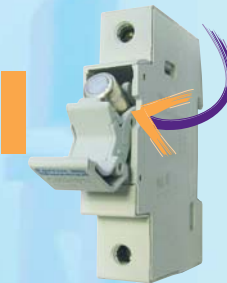
**Easy to use**  
Dual position DIN rail snap for easier mounting and dismantling

**Modulostar 11-fold proof**

**Connections**  
Upstream comb busbar connection



**Ergonomic**  
A new ergonomically designed handle for easier opening



**Safety**  
Tagging and locking out in open position to improve the safety of operators and maintenance people  
Lockable in closed or open position



**Flexibility**  
Accessory kit for multi-pole assemblies

**Easy to use**  
Great capacity for direct screw-in cable connection with greater clearance



**Communication**  
The Ferraz Shawmut indicator eye for instant blown fuse detection



For further information on the complete Modulostar range of fuse holders and fuse disconnectors visit our e-Advisor catalog at:

**[www.ferraz-shawmut.com/circuit-protection-gb/products/index.html](http://www.ferraz-shawmut.com/circuit-protection-gb/products/index.html)**