



CAM Technology®

Single Pin Connectors

Cam technology devices from Maringo are part of the Advanced Devices family of products. Originally an independent manufacturer, Advanced Devices was acquired by Maringo in 2004 so Maringo could offer this line of innovative high-amperage products to its industrial customers.

While developed to meet the demanding requirements of the entertainment industry – and continuing to be heavily used there – Advanced Devices cam products have found acceptance in industrial applications because the devices feature rugged design, proven, durable materials and precise assembly. These characteristics make Advanced Devices cam technology devices ideal for high-amperage applications in mining, construction, offshore oil rigs, ship-to-shore power, utilities, load-testing equipment, portable generators and more.

Today, Maringo offers a broad range of cam devices to meet the needs of these markets and applications.

OEM Packaging Option

NEW!

Many cam technology devices are available in bulk-pack for easy use in an OEM assembly environment. Standard pack quantities are provided with components bulk in bags. Specify “.OEM” as the part number suffix.

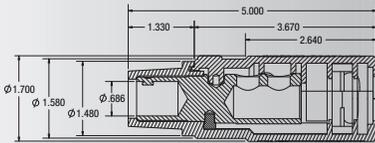
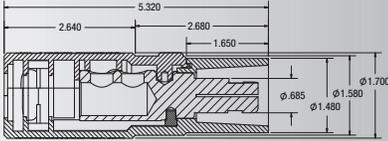


See the Maringo Entertainment catalog for a complete line of devices for theatrical and staging applications. Products include the Bates, Group 5 and Advanced Devices brands of devices and accessories.

CL40MB



CL40FB



CL Series Inline - 400A/600V

CL Series (series 16) cam devices use a unique design that is easily field-assembled with simple hand tools and offer superior durability and safety. Built with brass contacts as standard, the CL Series offers universal strain relief for all wire gauges. One housing fits #6 - 4/0 cable. UL and cUL listed.

All Marincó CL Series, CLS Series and CLM Series products mate precisely with all other manufacturers' cam products.

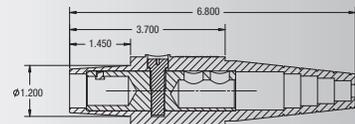
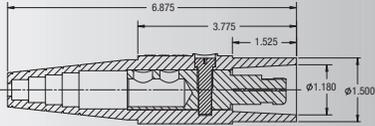


Part No.	Description
CL40FB	2/0 to 4/0 Female Connector
CL40MB	2/0 to 4/0 Male Plug
CL20FB	#2 to 2/0 Female Connector
CL20MB	#2 to 2/0 Male Plug
CL2FB	#6 to #2 Female Connector
CL2MB	#6 to #2 Male Plug

CLS40MB



CLS40FB



CLS Series Inline - 400A/600V

CLS Series (series 16) inline connectors have a non-conductive retaining screw which passes through the metal contact and fastens at both ends to the retaining ring, providing maximum resistance to excessive torque loading. Constructed of weatherproof materials, products are UL listed and CSA certified. NEMA 3R and NEMA 4 rated for wet locations.

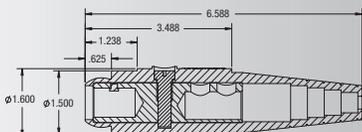
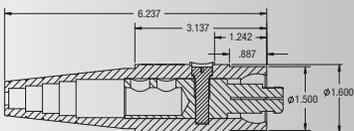


Part No.	Description
CLS40FB	2/0 to 4/0 Female Connector
CLS40MB	2/0 to 4/0 Male Plug
CLS20FB	#2 to 2/0 Female Connector
CLS20MB	#2 to 2/0 Male Plug
CLS2FB	#6 to #2 Female Connector
CLS2MB	#6 to #2 Male Plug

CLS1840MB



CLS1840FB



CLS Ball Nose Series Inline - 400A/600V

CLS Ball Nose (series 18) inline connectors have a non-conductive retaining screw which passes through the metal contact and fastens at both ends to the retaining ring, providing maximum resistance to excessive torque loading. Constructed of weatherproof materials, products are UL listed and CSA certified. NEMA 3R and NEMA 4 rated for wet locations.



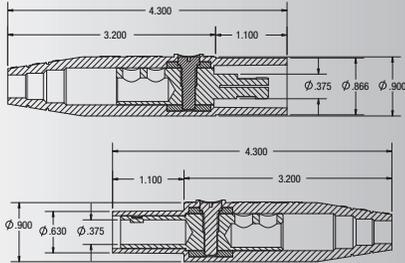
Part No.	Description
CLS1840FB	2/0 to 4/0 Female Connector
CLS1840MB	2/0 to 4/0 Male Plug
CLS1820FB	#2 to 2/0 Female Connector
CLS1820MB	#2 to 2/0 Male Plug
CLS182FB	#6 to #2 Female Connector
CLS182MB	#6 to #2 Male Plug

Part Numbers for Product Options (CL, CLS and Series 18)

Part No.	+	Color	+	Packaging
		-A (black)	-E (green)	
		-B (white)	-F (brown)	
Part No.	+	-C (red)	-G (orange)	+.OEM
		-D (blue)	-H (yellow)	

Example: CLS40FB-A.OEM Standard pack: 10
See page 42 for .OEM packaging information

Cam Technology Devices - CLM & Adapters



CLM Series Inline - 150A/600V

The CLM "Mini" Series (series 15) includes an exclusive double set screw connection and offers all the weathertight features of the CLS Series. The connector's wire pocket accepts #8 to #2 Type W cable, and is specifically engineered and manufactured for loads to 150A.



Part No.	Description
CLM2F	#8 to #2 Female
CLM2M	#8 to #2 Male
CLM4F	#8 to #4 Female
CLM4M	#8 to #4 Male

Part Numbers for Product Options (CLM)

Part No.	+	Color	+	Packaging
Part No.	+	-A (black)	-E (green)	+ .OEM
		-B (white)	-F (brown)	
		-C (red)	-G (orange)	
		-D (blue)	-H (yellow)	

Example: CLM2M-D Standard pack: 50
See page 42 for .OEM packaging information

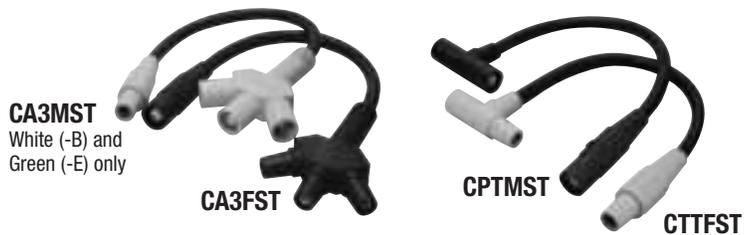


CL, CLM, CLS Series Adapters

Part No.	Description		Available Colors*
CA3M-E	Reverse Hard 3fer	F-M-M-M	-E
CA3M-B	Reverse Hard 3fer	F-M-M-M	-B
CA3F	Hard 3fer	M-F-F-F	-A, -B, -C, -D, -E
CDMM	Male to Male Coupler	M-M	-A, -B, -C, -D, -E, -F, -G, -H
CDFE	Female to Female Coupler	F-F	-A, -B, -C, -D, -E, -F, -G, -H
CPT	Paralleling T	M-M-F	-A, -B, -C, -D, -E, -F, -G, -H
CTT	Tapping T	M-F-F	-A, -B, -C, -D, -E
CLMADFF	Cam Reducer	400A F to 150A F	-A, -B, -C, -D, -E
CLMADMF	Cam Reducer	400A M to 150A F	-A, -B, -C, -D, -E
CLMADFM	Cam Reducer	400A F to 150A M	-A, -B, -C, -D, -E
CLMADMM	Cam Reducer	400A M to 150A M	-A, -B, -C, -D, -E
CLAF	Cam to Mole Lok	Cam F to Mole Lok M	-A
CLAM	Cam to Mole Lok	Cam M to Mole Lok F	-A

*Color Codes

- A (black)
- B (white)
- C (red)
- D (blue)
- E (green)
- F (brown)
- G (orange)
- H (yellow)



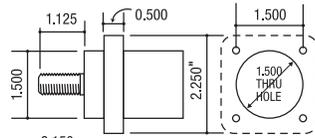
CLS Series Adapters (made with 18" cable)

Part No.	Description		Available Colors*
CPTFST	Soft Paralleling T	M-M-F	-A, -B, -C, -D, -E
CTTFST	Soft Tapping T	M-F-F	-A, -B, -C, -D, -E
CTTMST	Soft Tapping T	M-F-M	-A, -B, -E
CA3MST	Reverse Soft 3fer	F-M-M-M	-B, -E
CA3FST	Soft 3fer	M-F-F-F	-A, -B, -C, -D, -E, -F, -G, -H

Ordering Option: Add ".OEM" for bulk packaging.
See page 42 for .OEM packaging information



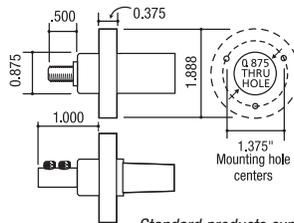
CL Series Panel Mounts 400A/600V



Standard products supplied with self-threading screws. Optional mounting holes shown above. Order **Option X**.



CLM Series "Mini" Panel Mounts 150A/600V

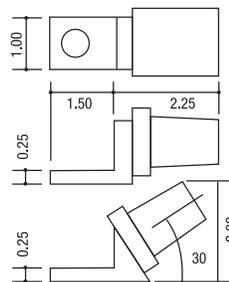


Standard products supplied with self-threading screws. Optional mounting holes shown above. Order **Option X**.



CL Series Busbar Mounts 400A/600V

Solid single-piece machined brass construction with molded shroud



Threaded Stud

Part No.	Description
CL40FRSB	Female Connector
CL40MRSB	Male Plug

Double Set Screw

Part No.	Description
CL40FRB	2/0 to 4/0 Female Connector
CL40MRB	2/0 to 4/0 Male Plug
CL20FRB	#2 to 2/0 Female Connector
CL20MRB	#2 to 2/0 Male Plug

Threaded Stud

Part No.	Description
CLMMRS	#8 to #2 Male Connector
CLMFRS	#8 to #2 Female Connector

Double Set Screw

Part No.	Description
CLMMR 2	#8 to #2 Female Connector
CLMFR 2	#8 to #2 Male Plug

Terminal Connectors (Busbar Mounts)

Part No.	Description
CL40MR-ANGLE	Male Angle
CL40FR-ANGLE	Female Angle
CL40MR-OFFSET	Male Offset
CL40FR-OFFSET	Female Offset

Part Numbers for Product Options (Panel & Busbar Mounts)

Part No.	+	Color	+	Mounting
Part No.	+	-A (black)	-E (green)	X (Mounting holes drilled to accept 10/32 bolt)
		-B (white)	-F (brown)	
		-C (red)	-G (orange)	
		-D (blue)	-H (yellow)	

Example: CL40MRB-AX



CL40WTC-L



CL40ZFLC



CL40FC

CL40MC



CLMFC

CLMMC

CL, CLS Series Protective Covers

Manufactured in UV-resistant polycarbonate, all Snap Back plastic covers are made with stainless steel offset, spring and pin.

Designed for surface mount or internal mount, the Snap Back plastic covers are fully gasketed and NEMA 3R rated for weathertight protection.



Part No.	Description
CL40WTC-L-187	Snap Back Plastic Cover 3R Rated (through-mount for panels .070" - .090")
CL40WTC-L-125	Snap Back Plastic Cover 3R Rated (surface mount)
CL40WTC-S-062	Snap Back Plastic Cover 3R Rated (through-mount for panels .370" - .400")
CL40ZFLC-161	Snap Back Metal Cover
CL40FC	Female Protective Cap with Lanyard (goes on female)
CL40MC	Male Protective Cap with Lanyard (goes on male)
CLMFC	Mini Female Protective Cap with Lanyard (goes on female)
CLMMC	Mini Male Protective Cap with Lanyard (goes on male)

Part Numbers for Product Options

Part No.	+	Color
Part No.	+	-A (black) -D (blue)
		-B (white) -E (green)
		-C (red)

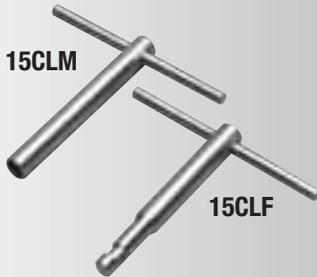
Example: CL40WTC-L-187-A



Restores damaged female cam-type contacts.



500072



15CLM

15CLF



16CLM

16CLF

Tools

Part No.	Description
15CLM	Male Connector Extractor 150A
15CLF	Female Connector Extractor 150A
16CLM	Male Connector Extractor 400A
16CLF	Female Connector Extractor 400A
CLSPRESS	Come-Along Tool (CLS Assembly Tool)
500072	CLS Female Reforming Tool 400A



CLSPRESS

Accessories

Part No.	Description	Qty. Per Bag*
430131.1	#2 AWG Wire Shoe for CL Series	25
430127	CLM Set Screw for #6 Wire	50
430171.1	CLM Set Screw	50
500017PLT.1	CLS Set Screw	50
500032PLT.1	CL Set Screw	50
520730.1	CLM Retaining Screw	25
520710.1	CLS Retaining Screw	25
430244.1	CL / CLS Copper Shim	25
430246.1	CLM Strain Relief Wire	100
430245.1	CLS Strain Relief Wire	100

*Ordering quantity is number of