

# CLIFF

## MS Series Unfused Power Connectors



MS1-S



MS1-S/Y/RF



MS1-A



MS2-A



MS1X/S



MS1-PCA



MR1-S



MR1-SBN



PVC Insulating Cover

The **CLIFF®** range of MS series Power connectors are produced from heat resistant plastic with solid brass nickel-plated metal parts. Parts for soldering are tin plated. Three terminal options are available – Solder Tag, Quick Connect and PC mounting. All products are produced in accordance to IEC320 / EN60-320 and have various safety approvals. The standard colour is Black, however some products are available in other colours, subject to a reasonable order quantity.

# BELTRONICA

**Cliff Electronic Components, Ltd.**

76 Holmethorpe Avenue, Holmethorpe Ind. Est.

Redhill, Surrey RH1 2PF. England

**Tel:** +44 (0) 1737 771375

**Fax:** +44 (0) 1737 766012

**Email:** sales@cliffuk.co.uk



Visit us online at:

[www.cliffuk.co.uk](http://www.cliffuk.co.uk)

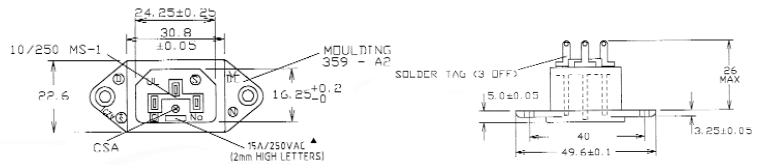
# CLIFF

## MS Series Unfused Power Connectors



**MS1-S IEC Power Input Socket. Rated 10A / 250VAC (USA 15A / 250VAC). Approved CB1 for all EC countries.**

**MS1-S (CL1920)  
MS1S-Y (CL1920Y)**

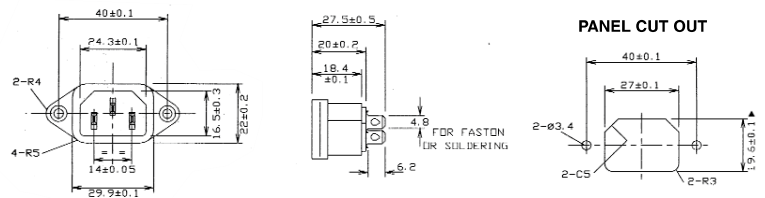


Y version has Rounded Locking Face.



**MS1-S/Y/RF IEC Power Input Socket. Rated 15A / 250VAC (USA 15A / 250VAC). Approved CB1 for all EC countries.**

**MS1-S/Y (CL1920RF)**

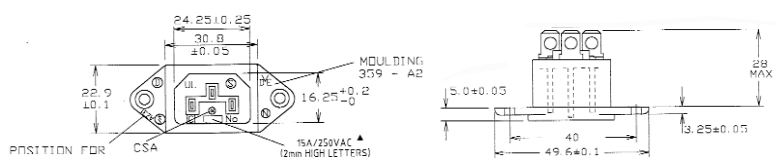


PANEL CUT OUT



**MS1-A IEC Power Input Socket. Rated 10A / 250VAC. (USA 15A / 250VAC). Approved CB1 for all EC countries.**

**MS1-A (CL1922)  
MS1-AY (CL1922Y)**

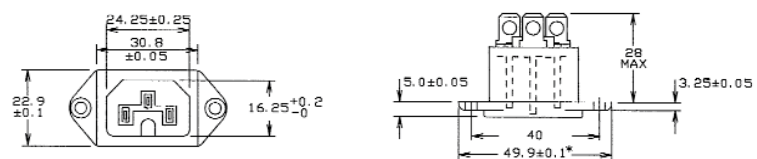


Y version has Rounded Locking Face.



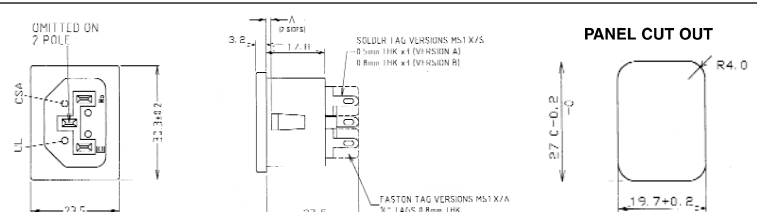
**MS2-A IEC Power Input Socket 'Hot Condition'. Rated 10A / 250VAC.**

**MS2-A (CL1924)**



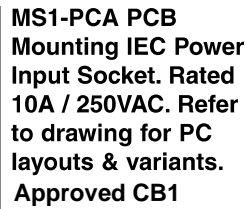
**MS1X/S Snap In IEC Power Input Socket. Rated 10A / 250VAC. Approved CB1 for all EC countries.**

**MS1X/S (CL19192)**



Drawings available on request

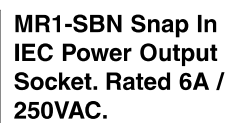
# BELTRONICA



Technical drawing of a mechanical part with dimensions: 21.5, 1.9, 40.0, 3.4, 2.0, and 0.8.

**MR1-S IEC Power  
Output Socket.  
Rated 6A / 250VAC.**

Technical drawing of a hexagonal plate. The overall width is 50.2, and the inner width is 40.0. The plate has two mounting holes on the left and right sides, each with a diameter of  $\phi 9.7 \times 7$ . The text "CSK TO  $\phi 6.0$ " is shown. The distance between the centers of the mounting holes is 14.0.



**CP22S IEC Power  
Rewireable Output  
Connector. Rated  
10A / 250VAC.**

Technical drawing of a split nut, showing a cross-section with dimensions in millimeters. The drawing includes a central vertical line labeled "SPLIT LINE". Dimensions are indicated by arrows and numbers: 7, 6, 4, 6, 3.0, 3.0, 3.3, 3.0, 13.8, 16.8, 6, 2.

Technical drawing of the front view of a mechanical component. The drawing shows a rectangular block with a circular feature on the left and a vertical slot on the right. Dimensions are indicated in millimeters:

- Overall width: 83.5
- Distance from left edge to center of circular feature: 26.5
- Distance from left edge to start of vertical slot: 58.0
- Distance from center of circular feature to start of vertical slot: 18.0
- Distance from end of vertical slot to right edge: 25.5
- Overall height: 29.5
- Height of the lower section: 23.5
- Height of the upper section: 6.0
- Radius of the circular feature: R10.5



3 PINS SAME DIMENSIONS

4.0

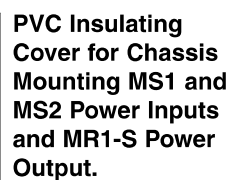
2.0

5.0

5.0

4

Technical drawing of the front view of a mechanical part. The drawing shows a cylindrical component with a central hole. Dimensions are indicated: 18.3 (width of the central hole), 53.8 (total width), 25.3 (width of the right flange), 27.8 (height of the central section), and 10.0 (height of the right flange).



Technical drawing of a mechanical part (Fig. 1.10) showing a cross-section with dimensions: 20, 10, 1.6, R5, and 25.0.

Technical drawing of a square plate with rounded corners and a central hole. The drawing shows the following dimensions and features:

- Outer width:  $22.5 \pm 0.3$
- Outer height:  $26.5 \pm 0.3$
- Inner width:  $19.0 \pm 0.3$
- Inner height:  $25.0 \pm 0.3$
- Corner radius:  $R3.5$
- Number of places: 4 PLACES

# BELTRONICA

## Approvals

SPEC TYPE	BS4491 COLD	BS4491 HOT	CE22 IEC320	CB-1
MSIS/MS1A	O	N	O	●
MS1XS/XA	O	N	O	●
MS1-PCA/PCB	O	N	O	●
MS2S/MS2A	O	O	O	O
MR1S	N	N	N	N
MR1SB	N	N	O	N
CP22S	O	N	O	N
CP22R	N	N	O	N

N: Not approved      o: Conforms      ●: Approved

## Specification:

**Rated Current:** 10A maximum. (15A USA)

**Rated Voltage:** 250Vac max.

**Temperature Rating:** -10°C to +85°C

**Minimum Flammability Rating:** UL 94-HB

## Materials:

**Housing:** MS1 Polyamide UL 94HB or UL94V-0

MS2 PBT UL 94 V-0

MR1-S GFN UL 94V-0

**Contacts:** Brass, Niag, Alloy, Tin plated contacts for best solderability

## Technical Data:

Most component parts are rated at 10A 250VAC (USA 15A 250VAC) and conform to relevant specifications EN60065, EN60-320, IEC 127, VDE 0820. Please contact our sales office for copies of CB1 approval certificate.

**BELTRONICA** NUEVA DIRECCIÓN / NEW ADDRESS  
 Avenida de Somosierra, 22 - Naves E 6 y 7 - P. E. Inbisa I  
 San Sebastián de los Reyes - ES 28703 - Madrid  
 Tel / Phone: +34 916 381 331 - comercial@beltronica.es

