



## Summary

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Number of contacts High Voltage	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	11.00 - 12.00 mm
Size	6Y
Series	Y - High Voltage Unipole

[https://www.lemo.com/int\\_en/solutions/supreme/y-high-voltage-unipole/ffb-6y-450-clac12.html](https://www.lemo.com/int_en/solutions/supreme/y-high-voltage-unipole/ffb-6y-450-clac12.html)

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# Technical details

## Electrical Configuration

Contact Termination High voltage	Solder
Insert configuration value	6Y.450 - 1 High Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	25 A
Test voltage (kV DC)	70 (Peak value for 1.2/50us normalised voltage shock)
Contact Type	Solder
Number of contacts High Voltage	1

## Form & Material

Shell style / Model id	FFB - Straight plug with cable collet and safety locking ring
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Circular
Weight	1056.78 g

## Environment

Technical domain	Specialties and Other
Environmental sealing (IP rating)	IP50
Salt Spray Corrosion	>1000 hr

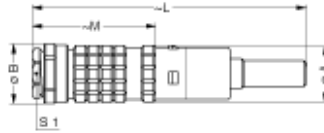
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	11.00 - 12.00 mm

# Drawings

[https://www.lemo.com/int\\_en/solutions/supreme/y-high-voltage-unipole/ffb-6y-450-clac12.html](https://www.lemo.com/int_en/solutions/supreme/y-high-voltage-unipole/ffb-6y-450-clac12.html)

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# Dimensions

	A	B	L	M	S1
mm.	47	50	215	89.2	36
in.	1.85	1.97	8.46	3.51	1.42