

## CA15-TYPE

75kVDC rated Connector



### DESCRIPTION

The CA15 is a 4-pin federal standard connector with extended contact stand-off. The connector is made from a UL94-VO approved, high resistivity thermo-plastic material, and filled with a PU insulation compound. Metal parts are made from brass, ensuring good conductivity. In case of damage, the contact pins can easily be replaced by using a dedicated tool.

### FEATURES

- Replaceable contact pins
- Small diameter
- Highly flexible cable
- 95% shielding braid coverage
- Compliance: ON assembly level (with connectors)  
UL Recognized Component marking possible
- RoHS & REACH compliant <sup>1)</sup>

### APPLICATIONS

Static HVDC applications like scientific electron beam equipment (e.g. electron microscopy) used in laboratory environment.

### INSTALLATION

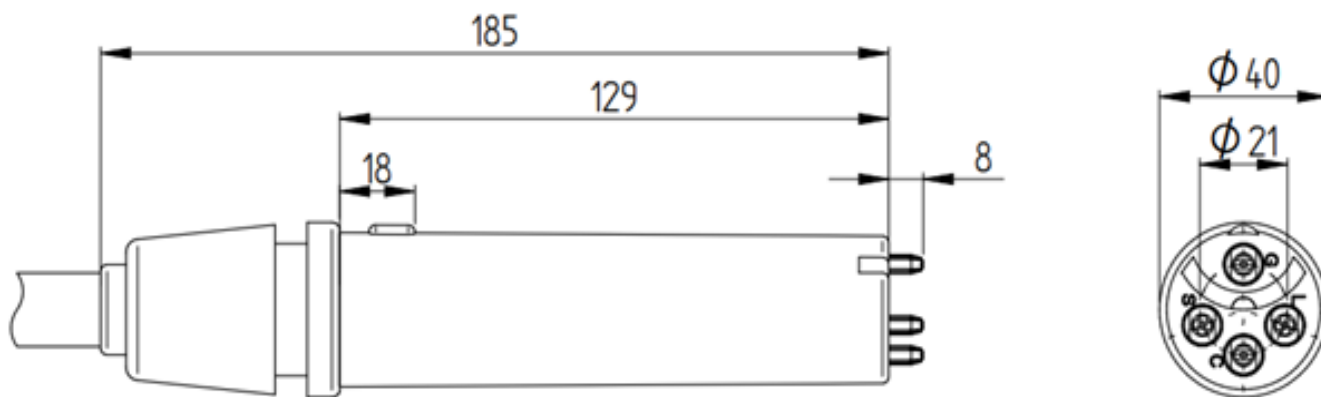
The CA15 can be installed dry or for more demanding applications installed with silicone grease in the receptacle.

### CABLE TYPE

L4 (75kVDC)

## CONSTRUCTION CA15-TYPE CONNECTOR

(Illustration is not to scale)



Technical Specifications	
Number of contacts / ratings	4 / 15A (DC) each
Rated voltage DC	75kVDC (static DC)
Rated voltage (minor) DC	1kVDC (C-L & C-S) 4kVDC (L-S) 18kVDC (G-L & G-S) 21kVDC (C-G)
Connector weight	CA15 weight $\pm$ 0.5kg (excl. cable)
Current capacity (L4 cable)	Pin L/S (White/Red) 1.8mm <sup>2</sup> -15A, Pin G (Yellow) 0.5mm <sup>2</sup> -8A, Pin C (Bare) 0.75mm <sup>2</sup> -9A
Operation Temperature	+5 / +85°C (avg connector temperature)
Storage temperature	-25°C +70°C

- Compliance related to the maximum allowable concentrations and applicable exemptions for the restricted substances.

Test Data	
Connector major breakdown level (dry installation)	95kV-Flashover in air
Connector minor breakdown level (G-C/L/S)	Avg 60kVDC (Flashover yellow wire inside CA15 connector)
Cable wire breakdown level (L4 cable, 0.5mm <sup>2</sup> Yellow)	Avg 80kVDC (Breakdown)
Cable wire breakdown level (L4 cable, 1.8mm <sup>2</sup> White/Red)	Avg 32kVDC (breakdown)

## TAILORED SOLUTIONS

In case our existing offering doesn't fit your needs, we have the inhouse capabilities to design a HV-connection and / or cable exactly as you need. For more information, please contact a Varex Imaging sales representative in your territory. Contact details are available at [www.vareximaging.com/contact/](http://www.vareximaging.com/contact/).

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