

## CA28-TYPE RECEPTACLE

for up to 160 kVDC



The CA28-type receptacle is 160 kVDC rated, 3 contact, flat interface counter connector for the CA28 connector.

### FEATURES

- Compact alternative to plug-type receptacles.
- Flat interface.
- Silicone rubber washer.
- Interface insulation.

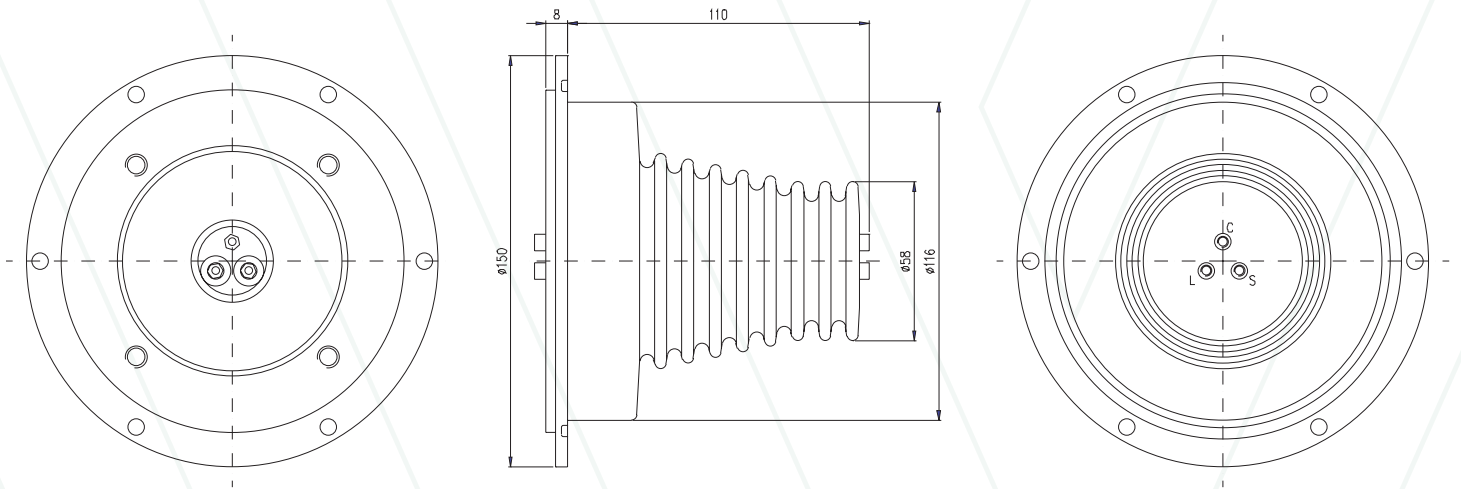
### DESCRIPTION

The CA28 flat interface high voltage connection system is an alternative where space restrictions prevent the application of a plug-type connection system. The CA28 connector and socket are available for 160 kVDC. To guarantee adequate interface electrical strength, a silicone rubber washer is provided with the matching cable assembly which is compressed between the two flat contact surfaces of the receptacle and the matching connector. Before compression, a thin layer of silicone grease needs to be applied to both sides of the silicone rubber washer. The required contact pressure is achieved by applying the specified torque to the 4 bolts used to mount the connector to the receptacle socket.

## Technical Specifications

Voltage rating .....	160 kVDC
Maximum voltage between conductors .....	3 kVDC
Number of contacts .....	3
Maximum conductore current @ 40°C ambient temperature .....	15 A
Maximum operating temperature .....	At least(*) 80°C
Minimum storage temperature .....	-10°C
Washer thickness .....	5.5 mm
Fastening hardware (qty x 4) .....	M8 x 90
Fastening bolt torque .....	15 Nm - 16 Nm
Washer contact pressure .....	~3 N/mm2
Connector weight .....	~2.2 kg

(\*) Current applications run at 80°C max, no field experience with higher temperatures



### TYPE TESTS

Overvoltage test 200 kVDC for 10 hours at room temperature	Passed
Overvoltage test 180 kVDC for 100 hours at room temperature	Passed
Heat cycle test, -20 to +120°C, 10x, followed by 180kVDC for 3 minutes	Passed
Thermal test 120°C for 5 hours	Passed

### MORE INFORMATION

Varex Imaging Corporation is a leading innovator, designer and manufacturer of X-ray imaging components, which includes tubes, digital flat panel detectors and other image processing solutions, which are key components of X-ray imaging systems.

For more information, please contact a Varex Imaging sales representative in your territory. Contact details are available at [www.vareximaging.com/contact-information](http://www.vareximaging.com/contact-information).

### Varex Imaging Corporation

#### Headquarters

Salt Lake City, UT  
Tel: 801-972-5000  
Fax: 801-973-5050

#### Connect & Control

The Netherlands  
Tel: +31 315 659150  
[Netherlands.CNC@vareximaging.com](mailto:Netherlands.CNC@vareximaging.com)

©2017 Varex Imaging Corporation.  
All Rights reserved.

Production of any of the material contained herein in any format or media without the express written permission of Varex Imaging Corporation is prohibited.

*The data in this document is for reference only.*

*Contents in this document are subject to change without notice.*