

Flexible and Easier Connection Long Term Field Life



Powering Business Worldwide

IEC Separable Connector



Eaton Cooper Power Systems, a global manufacturer, famous for its market leadership and technical innovation, provides most safe and reliable power transmission and distribution to worldwide power utilities, industries and enterprises, public institutions and homes. We provide a wide range of forward-looking products and solutions for Distributed Generation Installations, Power Quality, Outage Management, Distribution Automation, Environmental Protection.

Products include transformer, regulator, capacitor, MRPs, components, cutouts, disconnectors, overhead switchgear, RMU, VCB, and smart grid solutions, etc., which not only applied widely to substation, outdoor overhead, underground, and in-plant medium voltage distribution systems, but also to railway, solar and wind field.

We are committed to constantly improving electrical distribution for end-users to solve problems, to achieve a more reliable and safer power systems with better power quality. Your success drives us to move forward continuously and we listen to your sound for requirement.

40.5kV 2# Inner-cone GIS Termination



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40.5kV 2# Inner-cone GIS Termination

Application

- PMIC series premoulded inner cone GIS termination is designed for connection of extruded cable to 40.5kV CGIS switchgear or other electrical equipment. It is applicable for both of indoor and outdoor installations and provides a reliable connection when mates with 2# and 3# inside cone plug-in type bushings complies EN50180 /EN50181.
- System voltage up to 40.5kV
- Operating temperature range: -45°C ~ +70°C
- Rated current:1250A
- Conductor size:
 - 2# bushing, 35-300mm²

Performance

- Provides a fully screened and fully submersible separable connection when mated with the proper inside cone plug-in type bushings
- Dry type and matiness free design for both of single core and three core cables
- With a high margin of electrical performance which is better than GB/T 12706.4(see table of electrical rating)

Standards

- Meet the requirements of IEC 60502.4-2020
- Meet the requirements of GB/T 12706.4-2020
- Meet the requirements of EN50180/EN50181 and DIN47636

Installation

- A special tool is needed when installing, please contact with your local sales representative before installation

Quality Assurance and Packing

- Our manufacturing facility is registered to ISO 9001-2015 by third party audit
- X-ray test and electrical routine test
- Carton packaging, weight about 7.5kg/3 phases (for 185mm² cable)

IEC Separable Connector

40.5kV 2# Inner-cone GIS Termination



Electrical Rating

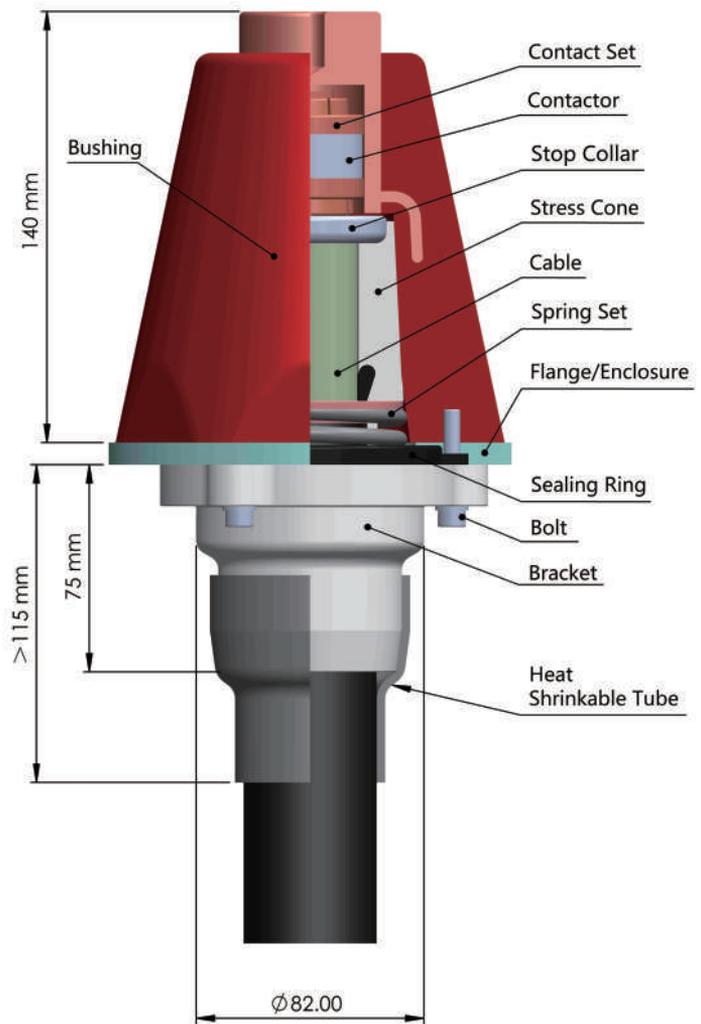
40.5kV 2# Inner-cone GIS Termination

PMIC2

40.5kV 2# Inner-cone GIS Termination	PMIC2
Rated Voltage	40.5kV
AC Withstand	117kV/5min
Lighting Impulse	200kV
Partial Discharge	No Discharge@45kV

Features and Detailed Description

- The stress cone is molded by high quality silicone rubber to ensure excellent insulation interface performance
- Fully dry type plug-in design to ensure no oiling or inflation required and with a low carbon, maintenance free, water-proof, and anti-pollution performance
- ANSYS software is used for product electric field analysis and design to effectively ensure electric field distribution, simple structure, and convenient installation
- With a high insulation margin and better electrical performance than GB standard.
- The epoxy bushing is molded by high quality epoxy raw material.



IEC Separable Connector

40.5kV 2# Inner-cone GIS Termination

Ordering Information

Product	Cable Type	Part Number	Rated Voltage	Cable Cross Section(mm ²)
2# Inner-cone GIS Termination	Single core	PMIC2-40P31 × 50HS	26/35kV	50
		PMIC2-40P31 × 70HS	26/35kV	70
		PMIC2-40P31 × 95HS	26/35kV	95
		PMIC2-40P31 × 120HS	26/35kV	120
		PMIC2-40P31 × 150HS	26/35kV	150
		PMIC2-40P31 × 185HS	26/35kV	185
		PMIC2-40P31 × 240HS	26/35kV	240
		PMIC2-40P31 × 300HS	26/35kV	300
	Three cores	PMIC2-403 × 50HS	26/35kV	50
		PMIC2-403 × 70HS	26/35kV	70
		PMIC2-403 × 95HS	26/35kV	95
		PMIC2-403 × 120HS	26/35kV	120
		PMIC2-403 × 150HS	26/35kV	150
		PMIC2-403 × 185HS	26/35kV	185
		PMIC2-403 × 240HS	26/35kV	240
		PMIC2-403 × 300HS	26/35kV	300

3 phases packing and including heatshrink kit for all above inner-cone GIS termination

Accessories

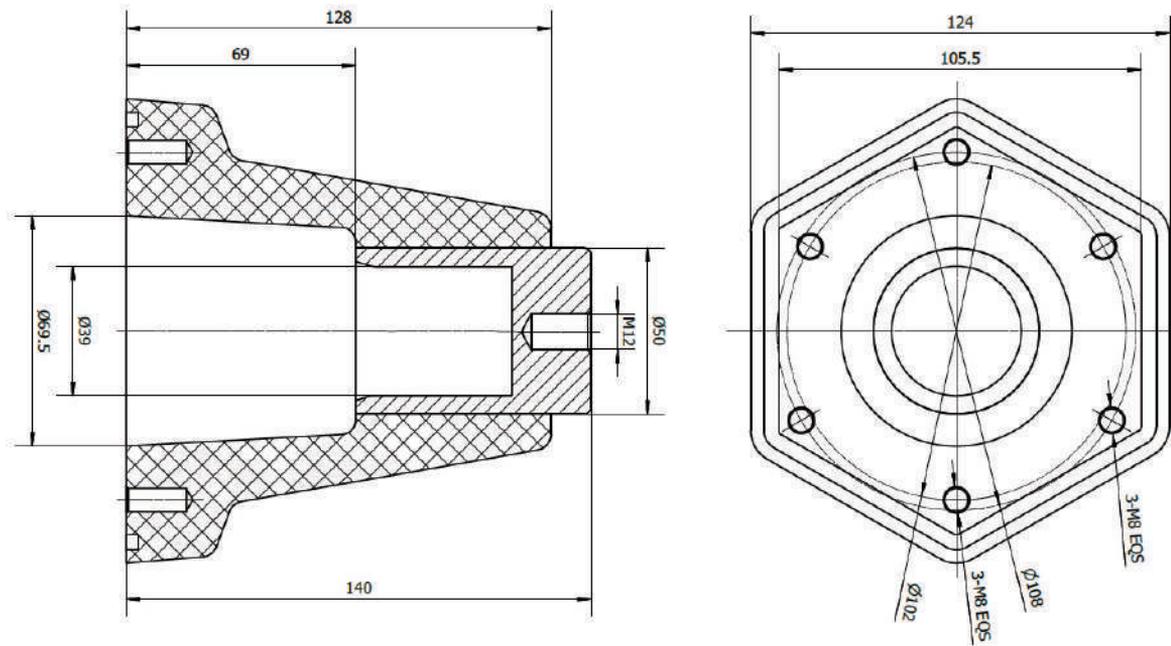
Product	Part Number	Quantity
2# Epoxy Bushing	ICB2-40	piece
2# Current Test Termination	ICCTB2-40	piece
2# Insulating Stop-end	ICIS2-40	piece
2# Test Bushing	ICTB2-40	piece
Installation Tool	2011058100	piece

IEC Separable Connector

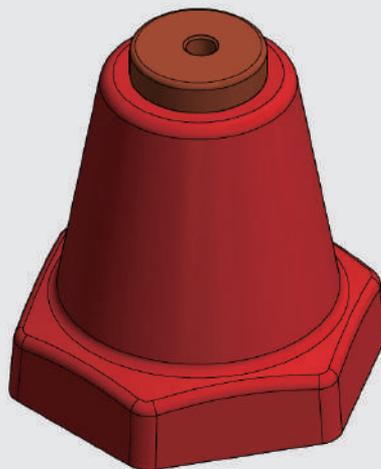
40.5kV 2# Inner-cone GIS Termination

Dimensional Information

(in mm)



Dimensions of 2# Epoxy Bushing



2# Epoxy Bushing

40.5kV 3# Inner-cone GIS Termination



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40.5kV 3# Inner-cone GIS Termination

Application

- PMIC series premoulded inner cone GIS termination is designed for connection of extruded cable to 40.5kV CGIS switchgear or other electrical equipment. It is applicable for both of indoor and outdoor installations and provides a reliable connection when mates with 2# and 3# inside cone plug-in type bushings complies EN50180 /EN50181.
- System voltage up to 40.5kV
- Operating temperature range: -45°C ~ +70°C
- Rated current:1250A
- Conductor size:
 - 3# bushing, 35-300mm²

Performance

- Provides a fully screened and fully submersible separable connection when mated with the proper inside cone plug-in type bushings
- Dry type and matiness free design for both of single core and three core cables
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40.5kV 3# Inner-cone GIS Termination



Electrical Rating

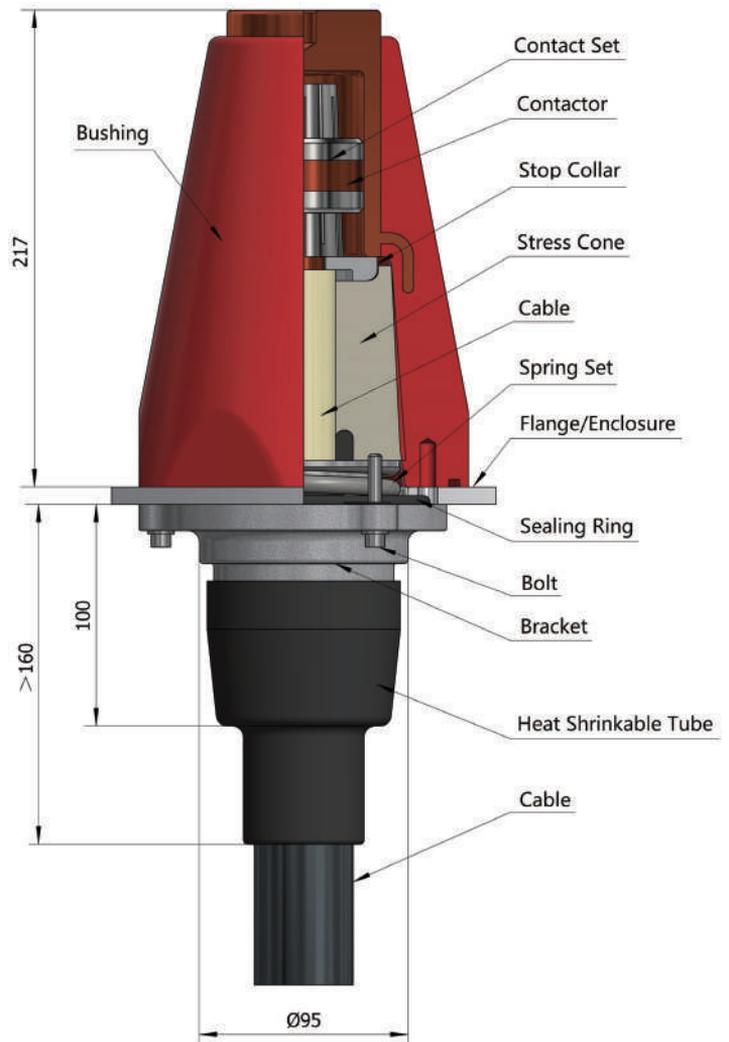
40.5kV 3# Inner-cone GIS Termination

PMIC3

Rated Voltage	40.5kV
AC Withstand	117kV/5min
Lighting Impulse	200kV
Partial Discharge	No Discharge@45kV

Features and Detailed Description

- The stress cone is molded by high quality silicone rubber to ensure excellent insulation interface performance
- Fully dry type plug-in design to ensure no oiling or inflation required and with a low carbon, maintenance free, water-proof, and anti-pollution performance
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- With a high insulation margin and better electrical performance than GB standard.
- The epoxy bushing is molded by high quality epoxy raw material.



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40.5kV 3# Inner-cone GIS Termination

Ordering Information

Product	Cable Type	Part Number	Rated Voltage	Cable Cross Section(mm ²)
3# Inner-cone GIS Termination	Single core	PMIC3-40P31 × 50HS	26/35kV	50
		PMIC3-40P31 × 70HS	26/35kV	70
		PMIC3-40P31 × 95HS	26/35kV	95
		PMIC3-40P31 × 120HS	26/35kV	120
		PMIC3-40P31 × 150HS	26/35kV	150
		PMIC3-40P31 × 185HS	26/35kV	185
		PMIC3-40P31 × 240HS	26/35kV	240
		PMIC3-40P31 × 300HS	26/35kV	300
		PMIC3-40P31 × 400HS	26/35kV	400
		PMIC3-40P31 × 500HS	26/35kV	500
		PMIC3-40P31 × 630HS	26/35kV	630
	Three cores	PMIC3-403 × 50HS	26/35kV	50
		PMIC3-403 × 70HS	26/35kV	70
		PMIC3-403 × 95HS	26/35kV	95
		PMIC3-403 × 120HS	26/35kV	120
		PMIC3-403 × 150HS	26/35kV	150
		PMIC3-403 × 185HS	26/35kV	185
		PMIC3-403 × 240HS	26/35kV	240
		PMIC3-403 × 300HS	26/35kV	300
		PMIC3-403 × 400HS	26/35kV	400
		PMIC3-403 × 500HS	26/35kV	500
		PMIC3-403 × 630HS	26/35kV	630

3 phases packing and including heatshrink kit for all above inner-cone GIS termination

Accessories

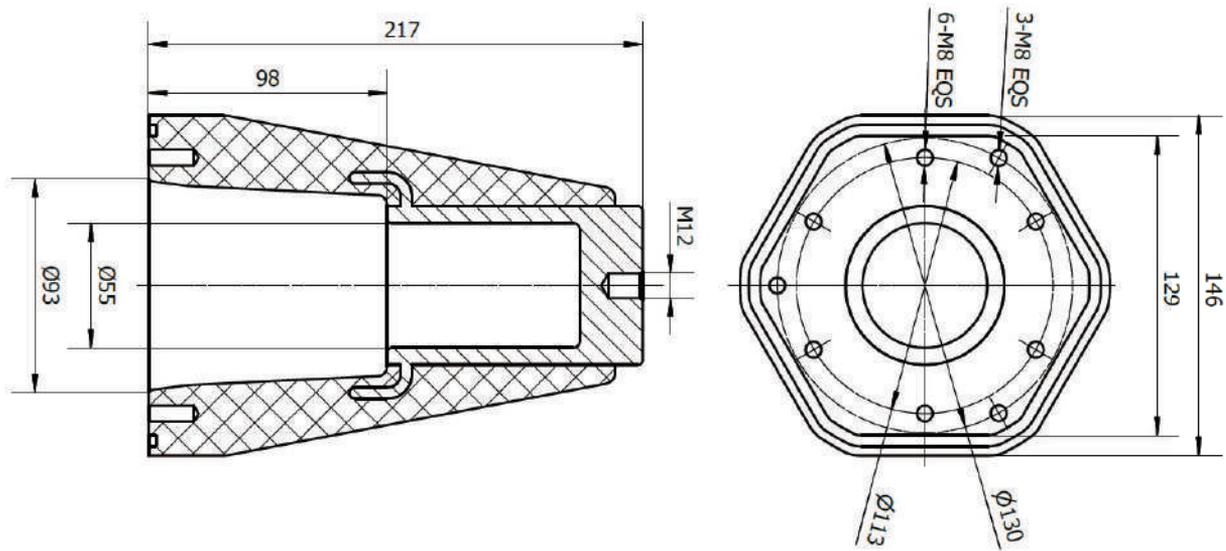
Product	Part Number	Quantity
3# Epoxy Bushing	ICB3-40	piece
3# Current Test Termination	ICCTB3-40	piece
3# Insulating Stop-end	ICIS3-40	piece
3# Test Bushing	ICTB3-40	piece
Installation Tool	2011058100	piece

IEC Separable Connector

40.5kV 3# Inner-cone GIS Termination

Dimensional Information

(in mm)



Dimensions of 3# Epoxy Bushing



3# Epoxy Bushing

Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy, helping to solve the world's most urgent power management challenges, and doing what's best for our stakeholders and all of society. Founded in 1911, Eaton has been listed on the NYSE for nearly a century. We reported revenues of \$19.6 billion in 2021 and serve customers in more than 170 countries.

Eaton entered the Chinese market in 1993, and has grown significantly since then. In 2004, Eaton moved its Asia-Pacific headquarters from Hong Kong to Shanghai. Today, Eaton has nearly 8,000 employees and 19 manufacturing facilities in China.

For more information about Eaton China, visit www.eaton.com.cn

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