

Product data sheet and installation instructions:

Component for lightning protection systems and earthing systems

Cross connector, KV-rd/rd-vz



Application:

Clamp for connecting solid round and/or solid tape conductors. For use in lightning protection systems (air-termination system, down-conductor system, earth-termination system) and earthing systems.

Article-Nr:	KV-rd/rd-vz
Designation:	Cross connector
Material:	Hot dip galvanized steel (St/tZn)
Clamping area:	• Solid round conductors Ø 10 mm to Ø 10 mm • Solid round conductor Ø 10 mm to solid tape conductor 30x3,5 mm • Solid tape conductor 30x3,5 mm to solid tape conductor 30x3,5 mm
Material of conductors:	Hot dip galvanized steel (St/tZn)
Bolts / material:	M8x25 mm / Hot dip galvanized steel (St/tZn)
Nuts / material:	M8 / Hot dip galvanized steel (St/tZn)
Classification of the component as per IEC 62561-1:	• Class H (Heavy duty) • General use • Intended to withstand a static mechanical test • Non-permanent connection
Tightening torque:	15 Nm
Tests reports:	Tested in accordance with standard IEC 62561-1.
Weight per piece:	219 gr
VPE:	25 pieces per box / 50 pieces per box

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Installation instructions

Safety instructions

All governing codes and regulations and those required by the job site must be observed. Always use appropriate safety equipment such as eye protection, helmet, gloves as appropriate to the application.

Required tools

13 mm spanner or socket (2 pcs)

Step 1

Disassemble the connector.

Step 2

Place one of the connector's plates under the first conductor.

Step 3

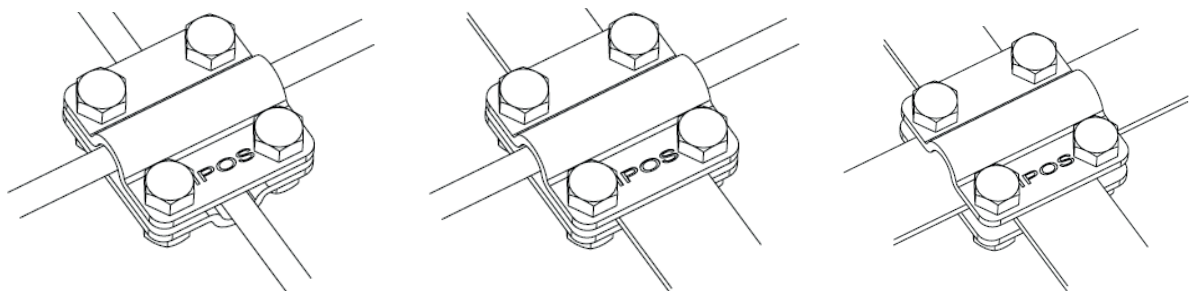
Insert the second conductor in order to make a cross connection.

Step 4

Place the second of the connector's plates over the connection and secure with the bolts and the nuts.

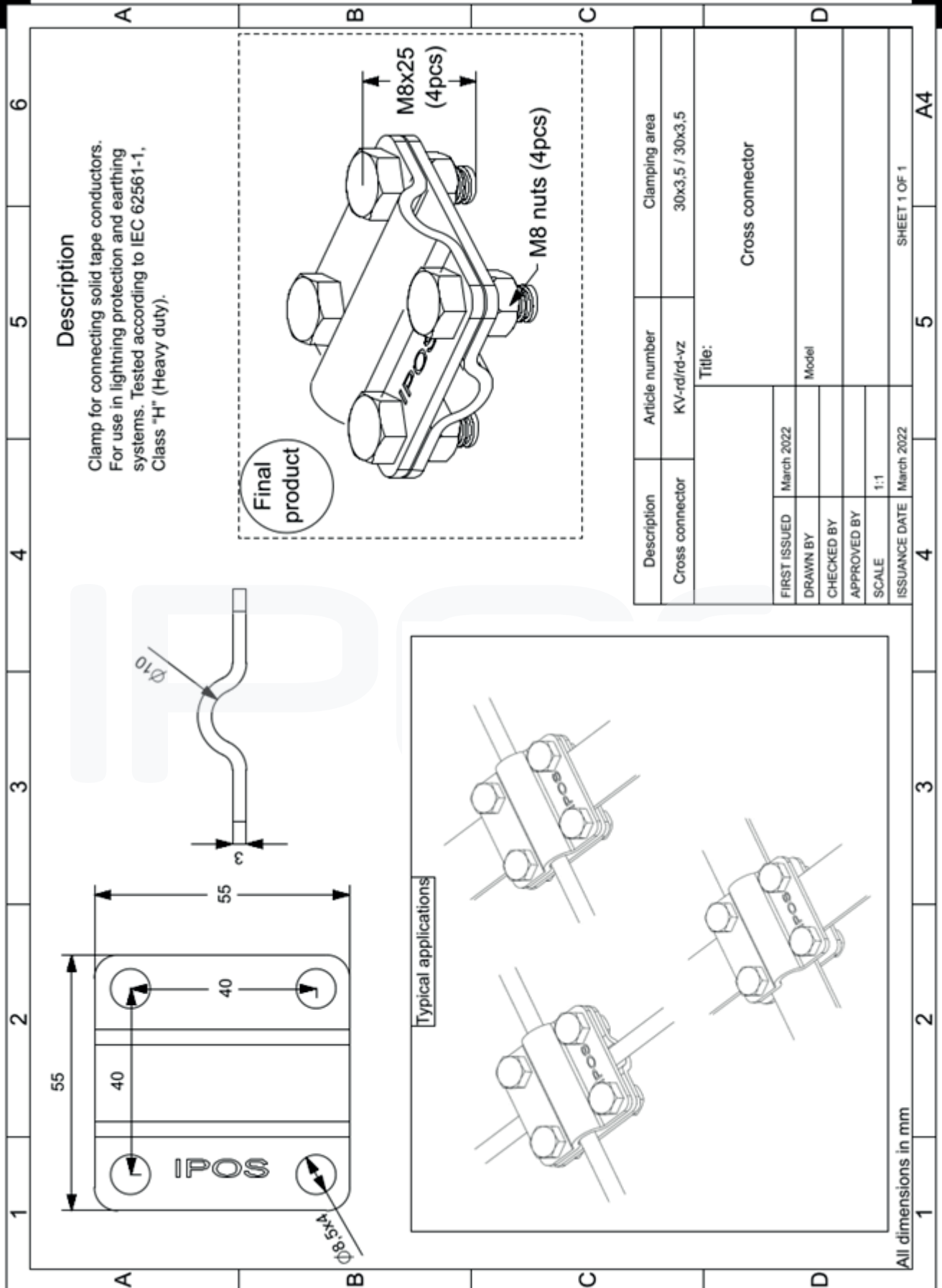
Step 5

Ensure all parts and conductors are correctly aligned and tighten evenly up to 15 Nm.



WARNING:

This product shall be installed and used only as indicated in the present sheet, which its instructions must be completely followed to ensure proper and safe installation and performance. This product must never be used for a purpose other than the purpose for which it is designed.



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Unverbindliche Darstellung
non-binding figure

Produkt / Product: Kreuzverbinder / Cross Conector
Artikel-Nr. / Part No: KV-rd-rd-vz
Material / Material: Stahl verzinkt / Steel galvanized

Prüfstandard / Test standard

IEC EN 62561-1:2017

Anwendung / Application: Klemmbereich / Clamping range

Anordnung Arrangement	Leiter 1 Conductor 1 in mm	Leiter 2 Conductor 2 in mm	Anzugsdrehmoment Tightening torque in Nm	Blitzschutzklasse H Lightning current class
Kreuz / Cross	Rd Ø10, vz	Rd Ø10, vz	M8, 15	H (100 kA)
Kreuz / Cross	Rd Ø10, vz	FI 30x3,5, vz	M8, 15	H (100 kA)
Kreuz / Cross	FI 30x3,5, vz	FI 30x3,5, vz	M8, 15	H (100 kA)

Das Produkt wurde in verschiedenen Systemen getestet und kann als Blitzschutzsystem gemäß IEC/EN 62561-1:2017 verwendet werden.

This product has been tested in various systems and can be used as a lightning protection system.

Compliant with IEC/EN 62561-1:2017 standard.

Alle Komponenten werden im Rahmen eines nach DIN EN ISO 9001 zertifizierten Umwelt- und Qualitätsmanagementsystems geprüft und getestet.

All components are certified according to DIN EN ISO 9001 Quality and environmental management system checked and accepted.

IPOS Handel GmbH

Approved by O. Kocak