

# LV Piercing Connector Type 5

Insulated screw connectors for low voltage cables with insulation-piercing contact geometry and shear bolts. The patented screw design ensures that the conductor is not damaged during installation. The connector has been designed so that contact protection as per IP2X is provided during the entire assembly sequence and there is also no danger of a short circuit.

## Advantages:

- Piercing connector – no stripping of the individual wires with PVC, XLPE and PILC insulation
- Electrically and mechanically tested in accordance with IEC 61238-1 class A for conductors of class 1 and 2
- IP2X contact protection according to DIN EN 60529 during all assembly steps
- Creepage distance according to DIN EN 60664 - degree of pollution 1
- Easy, safe installation – ideal for live-line working
- Assembly with standard tools
- Designed for resin based and heat shrink joints
- Shear bolts prevent assembly errors
- Compact design

## Material:

- Body: Aluminium, tinned
- Bolt: Aluminium, uncoated



*Picture may vary.*

## Technical Data

Article no.	332 710 050	
Conductor cross section Al RE	(mm <sup>2</sup> )	95 - 185
Conductor cross section Al RM	(mm <sup>2</sup> )	95 - 185
Conductor cross section Al SE	(mm <sup>2</sup> )	95 - 240
Conductor cross section Al SM	(mm <sup>2</sup> )	95 - 185
Conductor cross section Cu RE	(mm <sup>2</sup> )	70 - 185
Conductor cross section Cu RM	(mm <sup>2</sup> )	70 - 185
Conductor cross section Cu SM	(mm <sup>2</sup> )	70 - 185
Number of screws		4
Shear-off torque	(Nm)	24 - 30
Surface		tin-plated
Width across flats		SW 16
Screw Type		shear bolt
Inspection hole		yes

Article no.	332 710 050
Blind hole	no

## Dimensions

Length	(mm)	183
Width	(mm)	47,5
Height	(mm)	51,5 (95,3 unmounted)
Core diameter	Ø (mm)	30 / 23,2 (sector-shaped conductor hole)