Voltage connectors - type COT 10-95 A - for LV twisted conductors

SR EN 61230

Code: COT 10-95 A

Intended use: by permanent mounting on twisted conductors of LV overhead lines.

Application: from height (from the ladder, from the basket), without de-energising the line, using specialised insulating tools.

Components:
- **Branch terminal ENSTO - SL 11.118** – 1 piece
- **Connection subassembly** – 1 piece

Technical characteristics	
Nominal voltage U_n (kV)	max. 1
Sections of insulated conductors where voltage connectors can be mounted S_C (mm^2)	10; 16; 25; 35; 50; 50 Ol+Al; 70; 95
Nominal short-circuiting current for t = 1 s I_{sc} (kA)	8
Nominal shock (peak) current for t = 0,02 s I_{sd} (kA)	16
Short-circuit test current for t = 1 s (kA)	9,2
Shock (peak) test current for t = 0,02 s (kA)	18,4
Power factor (accordind to SR EN 61230)	2
Dielectric resistance of the housing (kV/1 min)	5,25
Housing type	Sealed and ventilated
Housing material	High density polyethylene (PEHD)
Contact element material	Aluminium alloy
Fitting material	Stainless steel
Tightening methods	With torque indicator handle wrench
Torque value	26 Nm
Protection against corrosion and oxidation (contact Al/Cu)	Contact elements: neutral tinning and vaseline with 120 ^{0}Cdropping point. Fasteners: stainless steel
Measurements for the compensation of the cold leakage of the aluminium conductor	Two stainless steel elastic elements that provide a constant torque in time
Minimum permitted temperature for installation (^{0}C)	-20
Operating temperature range (^{0}C)	-25...+55

Coupling adapter to DPS connectors

SR EN 61230

Code: P 2295

Intended use: by the temporary connection to the coupling plugs of the short-circuiting subassembly of short-circuiting device for LV overhead lines with twisted conductors.

Application: manual, without any additional tools

Other equipment to be used in conjunction:
- universal poly-phase short-circuiting device for LV overhead line
- poly-phase short-circuiting device for LV overhead line (twisted)

Technical characteristics	
Nominal operating voltage U_n (kV)	max. 1
Nominal short-circuiting current for t = 1 s I_{sc} (kA)	6
Nominal shock (peak) current for t = 0,02 s I_{sd} (kA)	12
Test short-circuit current for t = 1 s (kA)	6,9
Test shock (peak) current for t t = 0,02 s (kA)	13,80
Power factor (according to SR EN 61230)	2