

CONNEX Separable Connectors, Size 5-S, up to 145 kV

Application:

- Pluggable separable connector for all XLPE cables
- Available as factory-tested and preassembled field installation cable

Features:

- The separable connector is installed without any gas- and oilwork at the transformer or GIS
- Considerably reduced installation time and safe installation
- Horizontal, vertical and angeled versions for connection to GIS and transformers
- Rapid separation and change of cable and equipment possible
- Touchproof, submersible, and maintenance-free
- Routine-tested from factory

*¹ depending on conductor cross section and conductor material



Picture may vary.

Technical Data

Article no.		859 999 999 xxxxx
Max. system voltage	U_m (kV)	145
Size		5-S
Type designation		dry-type termination
Applicable standards		IEC 60840:2011
Working place		outdoor and indoor offshore on request
Nominal voltage	U_n (kV)	132 - 138
Conductor residual voltage	U₀ (kV)	76 - 80
Rated power frequency withstand voltage	1 min (kV)	275
Rated lightning impulse withstand voltage BIL	(kV)	650
Heating cycles	(kV)	190
Partial discharge test < 5pc at	(kV)	114
Rated power frequency withstand voltage - 30 min	(kV)	190
Partial discharge test < 2pC at	(kV)	114
Nominal current^{*1}	I_N (A)	2500
Rated short-time withstand current	(kA)	50
Rated impulse current CALCULATED	(kA)	160
Conductor material		copper or aluminium

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Diameter of conductor	Ø (mm)	9.3 - 50.4
Conductor cross section area	(mm²)	95 - 1600
Diameter of insulating	(mm)	36.5 - 76
Connection method		Compression connection
Length outside socket	(mm)	336