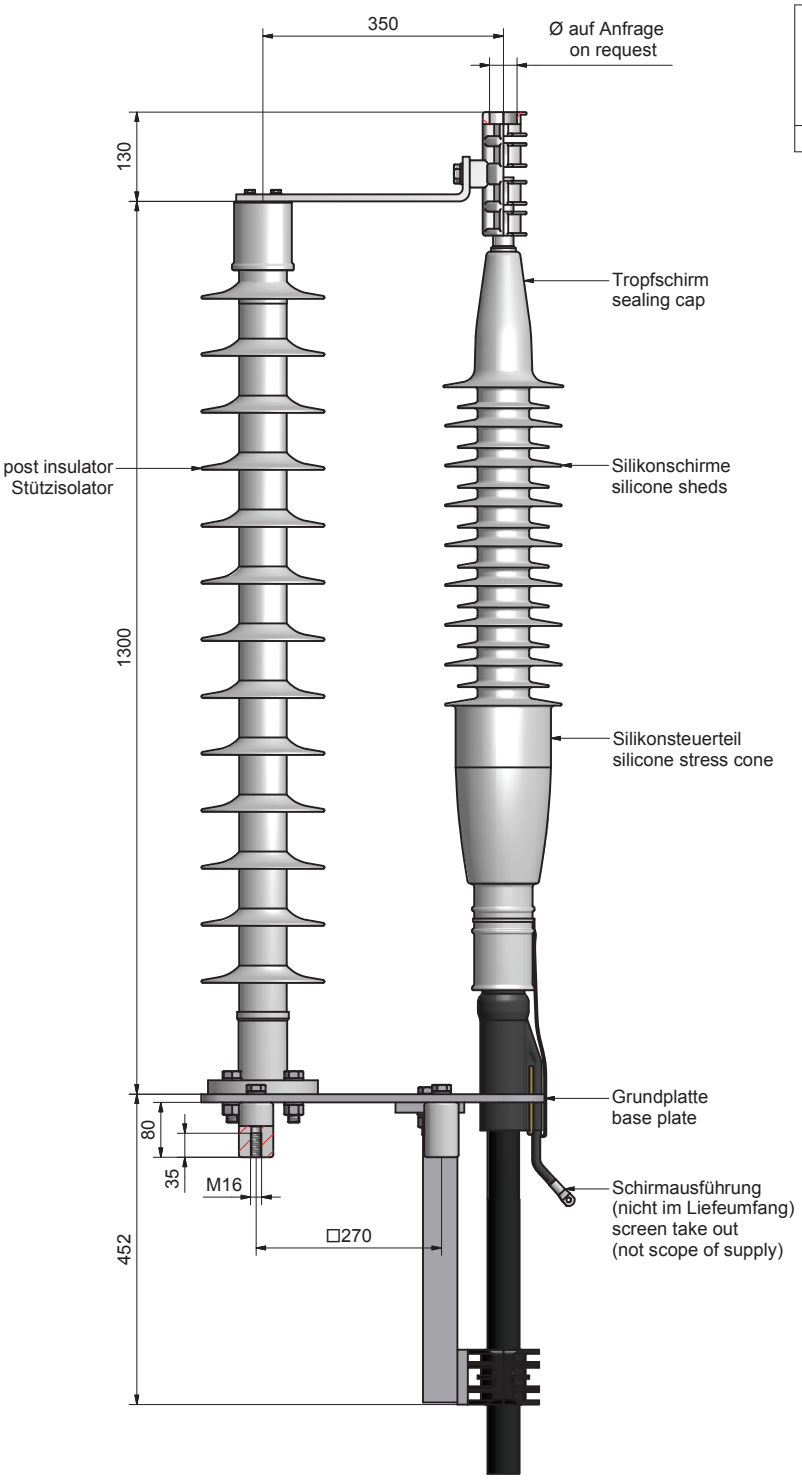
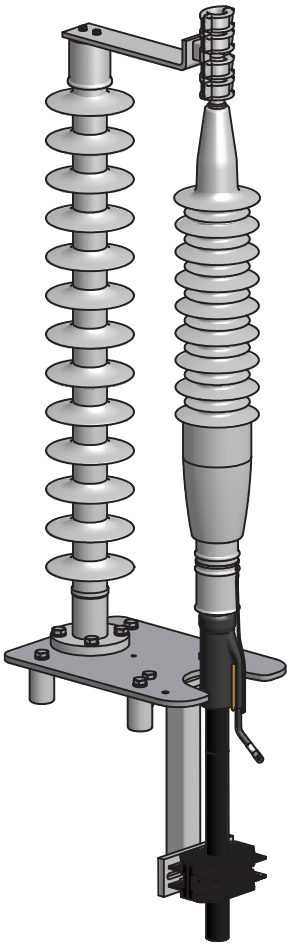
Höchste Spannung für Betriebsmittel (Um) highest voltage for equipment (Um)			72.5kV
Mindest-Kriechweg minimal creepage distance			1813mm
Verschmutzungsklasse pollution class	IEC 60815 IEC 60815-3	25mm/kV 43.3mm/kV	III d

Farbe des Isolators colour of insulator	blau-grau blue grey

entspricht ca. Leiterquerschnitt conductor cross-section (approx.)	Totalgewicht ohne Kabel (ca.) total weight without cable (approx.)	Kabelisolation ø geschält ø of cable insulation prepared [mm]	
		min	max
95..1200mm²	55kg	32.5	64.4





EST72-C19L

Trockenisolierter Freiluft Endverschluss
Dry insulated outdoor termination

PFISTERER | IXOSIL

CH-Altdorf Switzerland

Erstellt durch created by	GubisM	2012-11-02
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PFISTERER

Technical data of EST72-C19L

Dry insulated self supporting outdoor termination

Manufacturer	**PFISTERER**
Type designation	EST72-C19L
Application	composite outdoor
Applied standard	IEC 60840

Electrical levels (IEC 60840)	
Rated voltage (U)	60 - 69 kV
Highest voltage (Um)	72.5 kV
(Uo) for determination of test voltage	36 kV
Max. design voltage to ground	42 kV

Electrical type test levels (IEC 60840)	
AC withstand voltage 15 min	90 kV
Lightning impulse voltage test (BIL)	325 kV
Heating cycles (AC voltage, 2Uo)	72 kV
Partial discharge test < 5pc at 1.5 Uo	54 kV

Electrical routine test levels (IEC 60840)	
AC withstand voltage 30 min	90 kV
Partial discharge test < 5pc at 1.5 Uo	54 kV
Each stress cone routine tested	yes

Current conditions	
Max. current rating	same as cable
Max. thermal short circuit current (1 s)	63 kA
	max. same as cable

Cantilever load on vertical installation	
Max. designed cantilever load	4 kN

Operation conditions	
Ambient temperature	- 40 / + 55°C
Max inclination	30°

Stress control	
Field control method	geometrical
Type	pre-moulded
Material	silicone rubber
Production method	injection moulding
Production environment	clean room

Termination	
Filling compound	none
Overall length (Baseplatte to top of head armature)	1430 mm
Diameter with sheds	170 mm
Silcosil post insulator	fibre glass / silicone rubber
Sheds material	silicone rubber
Pollution level IEC60815	25 mm/kV
Pollution level IEC60815-3	43.3mm/kV
Creepage distance	1813 mm
Flash over distance	900 mm

Head armature	
Material	copper or aluminium
Conductor cross-section	95 - 1200 mm^2
Connection methods	
Bolted	95 - 1200 mm^2
Compression	95 - 1200 mm^2

Cable type	
Type	XLPE & EPR
Screen type	wire, lead sheath
	corrugated Al & Cu
Diameter over prepared insulation	32.5 – 64.4 mm
Range of overall cable diameter	50 - 110 mm

Max. lifting weight	
Without additional cable clamping	0 kg

Baseplate	
Material	steel
Fixing holes distance	270 mm

Post insulators	
Included in scope of supply	4 pcs
Material	epoxy resin

Earthing cable	
Material	supplied by customer

Packing	
Gross weight 6 pcs (approx.)	480 kg
Wooden box	standard
Installation instruction for each kit	yes

Installation	
Installation work	only by certified fitters
Installation temperature	min. 0 / max. +55°C
Site conditions	clean enviroment

Storage	
Conditions	clean and dry
Long-term storage temperature	min. 0 / max. + 25 °C
Shelf life items	2 years
Non-shelf life items	10 years
Expected service life after installation	40 years

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