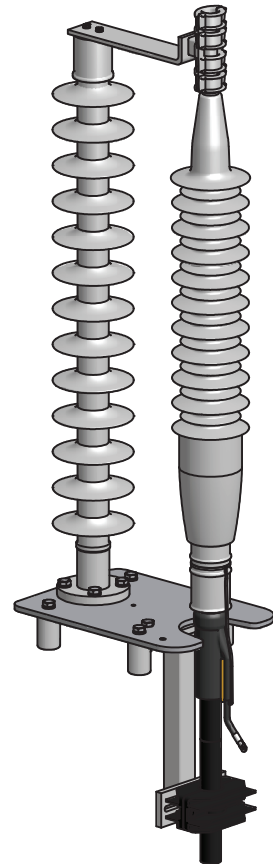
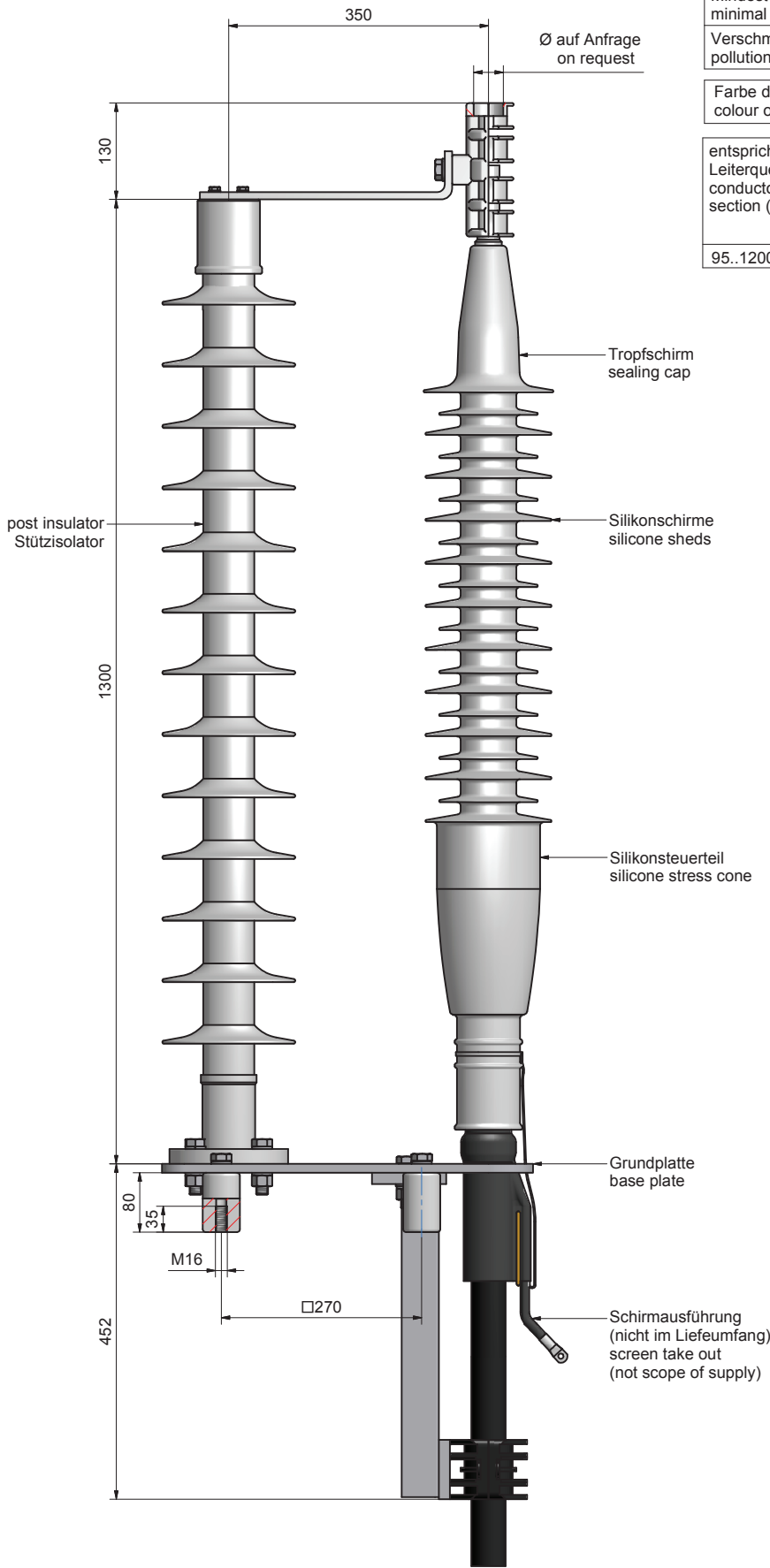


Höchste Spannung für Betriebsmittel (Um) highest voltage for equipment (Um)			72.5kV
Mindest-Kriechweg minimal creepage distance			2248mm
Verschmutzungsstufe pollution class	IEC 60815 IEC 60815-3	31mm/kV 53.7mm/kV	IV e
Farbe des Isolators colour of insulator			blau-grau blue grey

entspricht ca. Leiterquerschnitt conductor cross- section (approx.)	Totalgewicht ohne Kabel (ca.) total weight without cable (approx.)	Kabelisolation $\varnothing$ geschält $\varnothing$ of cable insulation prepared [mm]	
		min	max
95..1200mm <sup>2</sup>	55kg	32.5	64.4



EST72-C23L Trockenisolierter Freiluft Endverschluss Dry insulated outdoor termination		Erstellt durch created by	GubisM	2012-11-02
		Gemehmt von approved by	Kempfu	2012-11-02
<b>PFISTERER</b>   IXOSIL		Datei Nr. file no.	S04-135657	
CH-Alt Dorf	Switzerland	Zeichnungs Nr. / drawing no.	PRO2282	Index / rev. 02

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## Technical data of EST72-C23L

### Dry insulated self supporting outdoor termination

<b>Manufacturer</b>	<b>PFISTERER</b>
Type designation	EST72-C19L
Application	composite outdoor
Applied standard	IEC 60840

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

<b>Electrical type test levels (IEC 60840)</b>	
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

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

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

<b>Cantilever load on vertical installation</b>	
Max. designed cantilever load	4 kN

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

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

<b>Termination</b>	
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	31 mm/kV
Pollution level IEC60815-3	53.7mm/kV
Creepage distance	2248 mm
Flash over distance	1070 mm

<b>Head armature</b>	
Material	copper or aluminium
Conductor cross-section	95 - 1200 mm <sup>2</sup>
Connection methods	
Bolted	95 - 1200 mm <sup>2</sup>
Compression	95 - 1200 mm <sup>2</sup>

<b>Cable type</b>	
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

<b>Max. lifting weight</b>	
Without additional cable clamping	0 kg

<b>Baseplate</b>	
Material	steel
Fixing holes distance	270 mm

<b>Post insulators</b>	
Included in scope of supply	4 pcs
Material	epoxy resin

<b>Earthing cable</b>	
Material	supplied by customer

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

<b>Installation</b>	
Installation work	only by certified fitters
Installation temperature	min. 0 / max. +55°C
Site conditions	clean environment

<b>Storage</b>	
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

