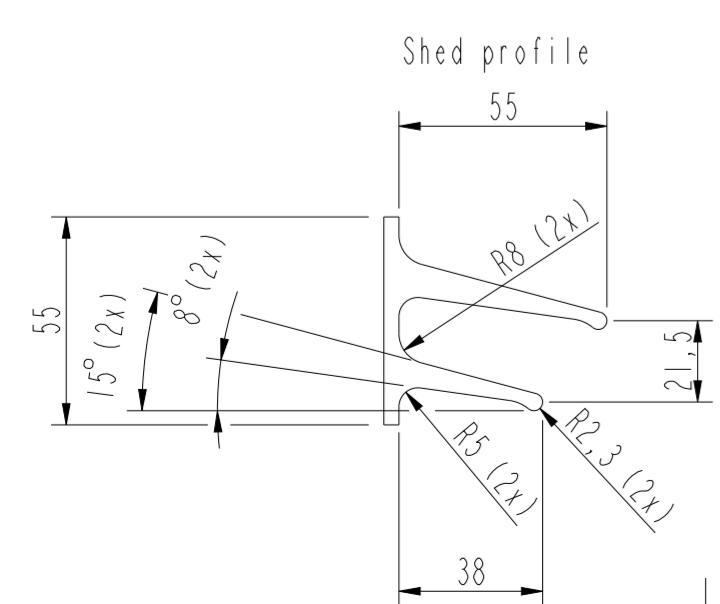
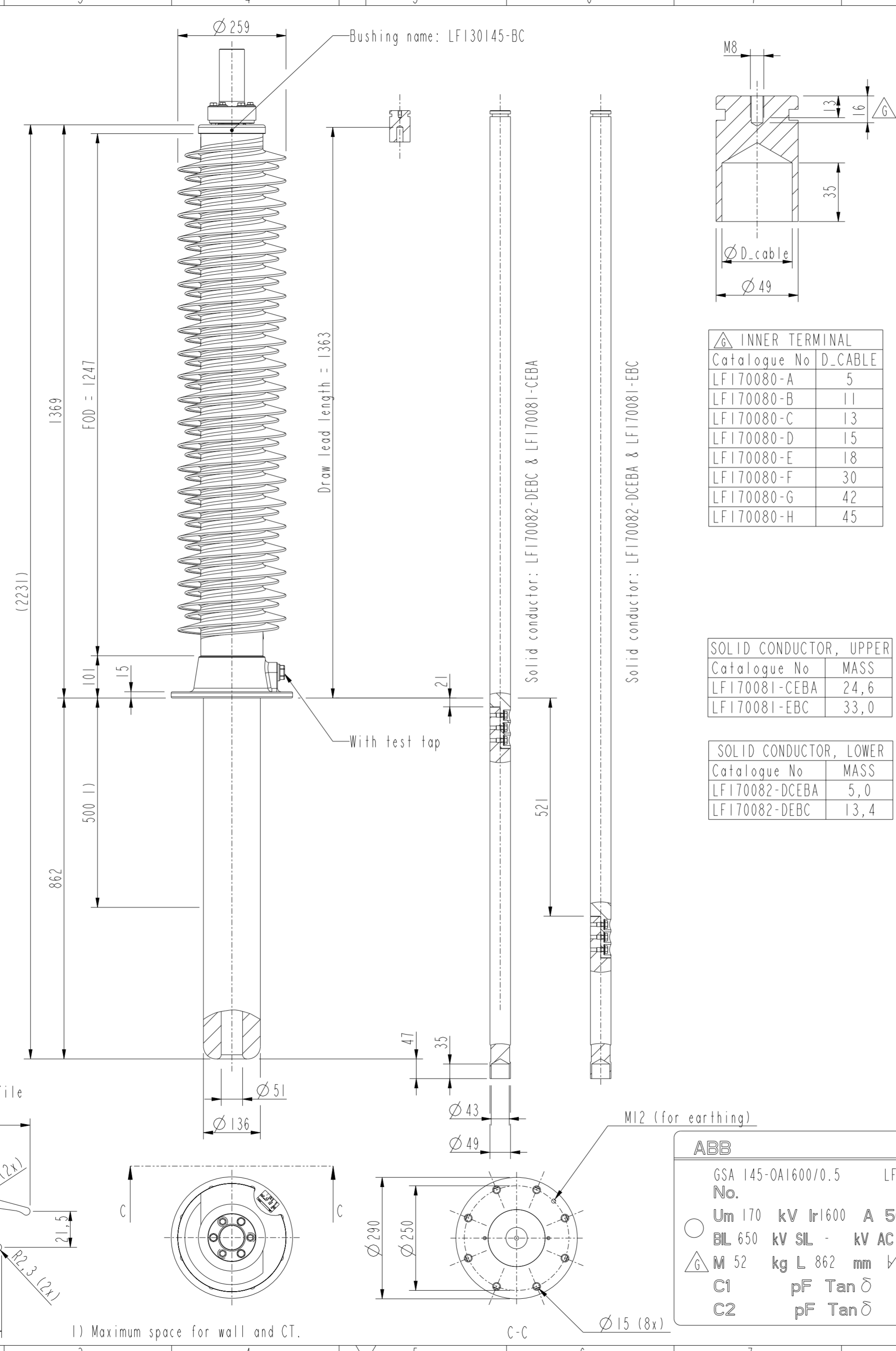


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Revision: Revision Text
 G Ambient temperature, capacitance, mass outer terminal, inner terminal and document kind updated



1) Maximum space for wall and CT.

ABB Ludvika, Sweden

GSA 145-OA1600/0.5 LF130145-BC
 No.

Um 170 kV Ir1600 A 50/60 Hz
 BIL 650 kV SIL - kV AC 300 kV

M 52 kg L 862 mm ∇ 0-90°

C1 pF Tan δ x
 C2 pF Tan δ x

OUTER TERMINAL				
Catalogue No	MATERIAL	MASS	H2	D_STUD
LF170079-A	Al	2,3	125	60
LF170079-B	Al	1,5	125	30
LF170079-C	Cu	6,1	125	60
LF170079-D	Cu	3,6	125	30
LF170079-E	Cu/Sn	6,1	125	60
LF170079-F	Cu/Sn	3,6	125	30
LF170079-G	Cu/Ag	6,1	125	60
LF170079-H	Cu/Ag	3,6	125	30
LF170079-CD	Cu/Sn	3,9	185	30

INNER TERMINAL	
Catalogue No	D_CABLE
LF170080-A	5
LF170080-B	11
LF170080-C	13
LF170080-D	15
LF170080-E	18
LF170080-F	30
LF170080-G	42
LF170080-H	45

SOLID CONDUCTOR, UPPER	
Catalogue No	MASS
LF170081-CEBA	24,6
LF170081-EBC	33,0

SOLID CONDUCTOR, LOWER	
Catalogue No	MASS
LF170082-DCEBA	5,0
LF170082-DEBC	13,4

ELECTRICAL DATA acc. to IEC 60137			
Ratings	Rated voltage	170	kV
	Rated phase-to-earth voltage	98	kV
	Max. phase to earth voltage, temporary	170	kV
	Max. current with Cu-conductor	1600	A
	Max. current with stranded cable 740 mm ²	1250	A
	Dry lightning impulse	650	kV
	Wet power frequency	275	kV
	Routine test	Dry power frequency	310
Capacitance	Nominal capacitance	417	pF

GENERAL DATA			
Silicone rubber insulator	Creepage distance	4595	mm
	Protected creepage distance	2000	mm
	Color	Light gray	ANSI 70
Mass	Bushing	52	kg
Cantilever load	Cantilever test load, according to IEC 60137	4000	N
	Max. cantilever operating load, bushing	2000	N
Ambient air temperature		-50 to +40	°C
Mounting and service instructions		2750515-115	

ELECTRICAL DATA acc. to ANSI C57.19.00			
Ratings	Insulation class	138	kV
	Rated max. line to ground voltage	102	kV
	Max. current with Cu-conductor	1600	A
	Max. current with stranded cable 740 mm ²	1250	A

Dim. requirements acc. to C57.19.1 not fulfilled			
Approved 2021-10-06	Document Kind Dimension Drawing	Based on doc.id	Work order id
Project id	Title, Supplementary title Dimension drawing GSA 145-OA 1600/0.5		
Company ABB Technology Ltd	Responsible Department Mättskiss GSA 145-OA 1600/0.5		
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ABB		Iteration 1/1	Sheet 1/1

