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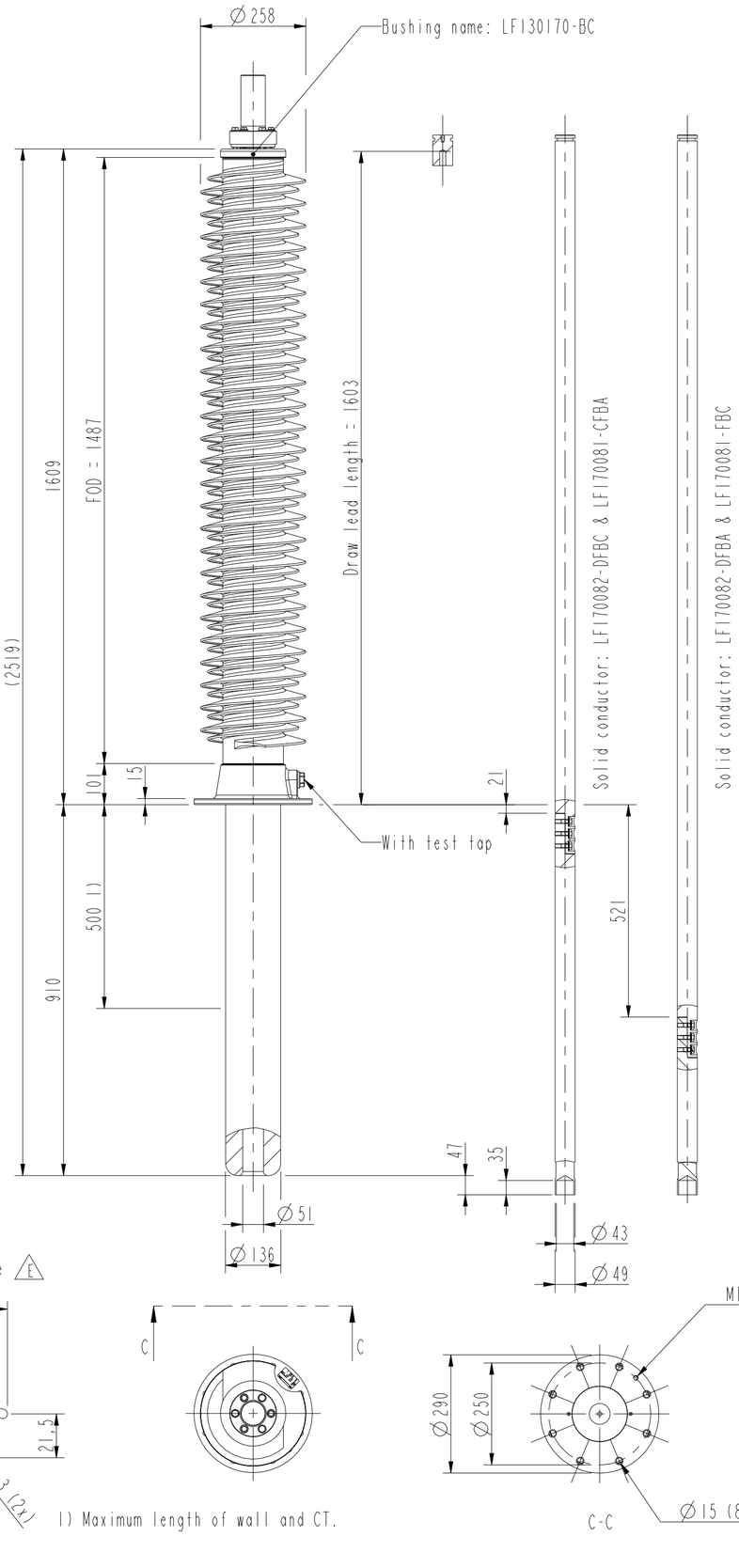
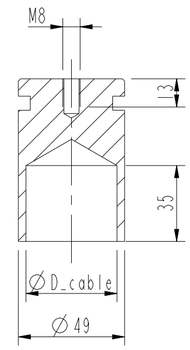
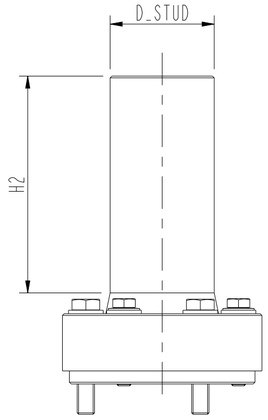
Revision	Revision text
E	Shed profile updated.





INNER TERMINAL	
Catalogue No	D_CABLE
LFI70080-A	5
LFI70080-B	11
LFI70080-C	13
LFI70080-D	15
LFI70080-E	18
LFI70080-F	30
LFI70080-G	42
LFI70080-H	45

OUTER TERMINAL				
Catalogue No	MATERIAL	MASS	H2	D_STUD
LFI70079-A	AL	2,7	125	60
LFI70079-B	AL	1,9	125	30
LFI70079-C	CU	6,1	125	60
LFI70079-D	CU	4,0	125	30
LFI70079-E	CU/SN	6,6	125	60
LFI70079-F	CU/SN	4,0	125	30
LFI70079-G	CU/AG	6,6	125	60
LFI70079-H	CU/AG	4,0	125	30
LFI70079-AD	CU/AG	3,4	80	40
LFI70079-AE	CU	3,4	80	40
LFI70079-AF	CU/AG	5,0	125	2"-12 UNF



SOLID CONDUCTOR, UPPER	
Catalogue No	MASS
LFI70081-CFBA	28,8
LFI70081-FBC	37,2

SOLID CONDUCTOR, LOWER	
Catalogue No	MASS
LFI70082-DFBA	5,8
LFI70082-DFBC	14,2

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 mm²	1250	A
	Dry lightning impulse	750	kV
	Wet power frequency	325	kV
Routine test	Dry power frequency	365	kV
Capacitance	Nominal capacitance	438	pF

GENERAL DATA

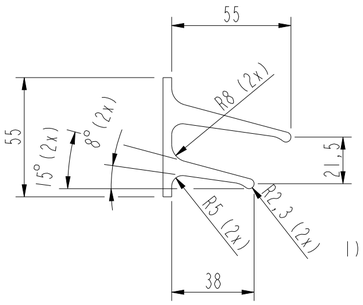
Silicone rubber insulator	Creepage distance	5504	mm
	Protected creepage distance	2400	mm
	Color	Light gray	ANSI 70
Mass	Bushing	62	kg
Cantilever load	Cantilever test load, according to IEC 60137	4000	N
	Max. cantilever operating load, bushing	2000	N
Temp. class	According to IEC 60137	Class	3
Mounting and service instructions		2750515-115	

ELECTRICAL DATA acc. to ANSI C57.19.00

Ratings	Insulation class	161	kV
	Rated max. line to ground voltage	102	kV
	Max. current with Cu-conductor	1600	A
	Max. current with stranded cable 740 mm²	1250	A

Dim. requirements acc. to C57.19.1 not fulfilled

Shed profile (E)



1) Maximum length of wall and CT.

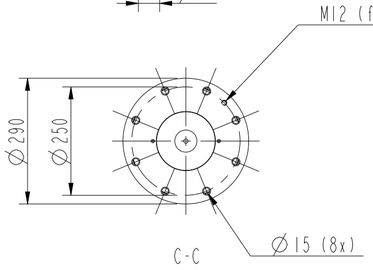


ABB — Ludvika, Sweden

GSA 170-OA1600/0.5 LFI30170-BC
No.

Um 170 kV Ir1600 A 50/60 Hz
BIL 750 kV SIL - kV AC 365 kV
M 62 kg L 910 mm ∠ 0-90 °
C1 pF Tan δ x
C2 pF Tan δ x

Approved	Document Kind	Based on doc.id	Work order id	Project id
2016-11-14	Outline Drawing			

Company	Title, Supplimentary title
ABB AB	Dimension drawing GSA 170-OA 1600/0.5
Responsible Department	Mättskiss GSA 170-OA 1600/0.5
SEABB-9AAE300824	

Document id	Status	Revision	Iteration	Sheet
2751362-FBC	Released	E		1/1

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