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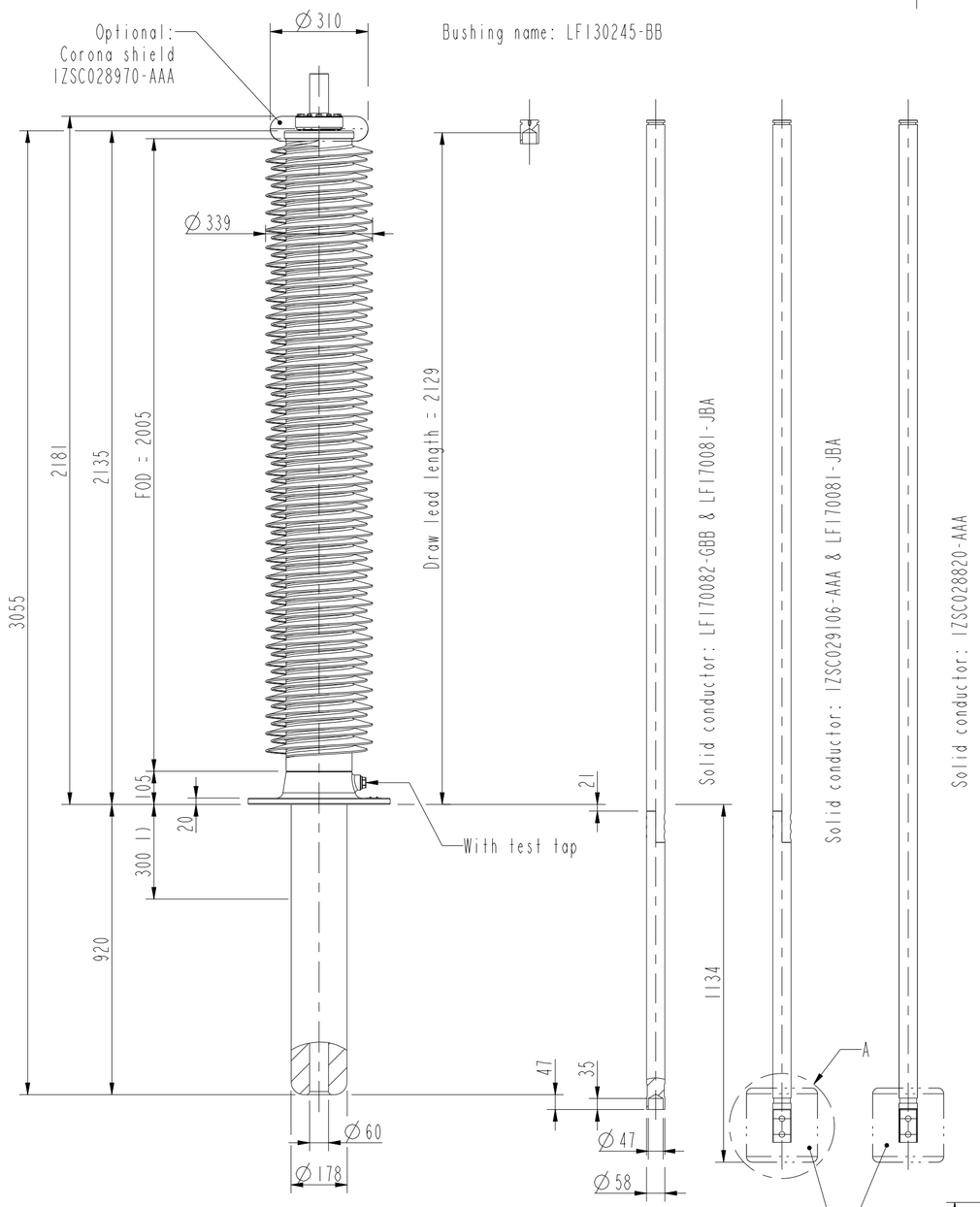
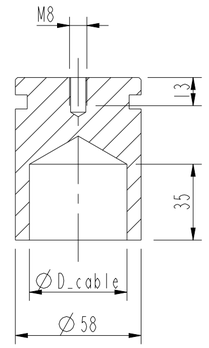
Revision	Revision text
D	Rated current updated.

Bushing name: LFI30245-BB





Inner terminal	
Catalog No	D_CABLE
LFI70080-BA	5
LFI70080-BB	30
LFI70080-BC	45

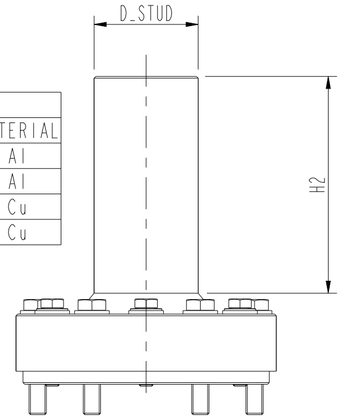
Solid conductor, upper, Cu	
Catalog No	MASS
LFI70081-JBA	52,5

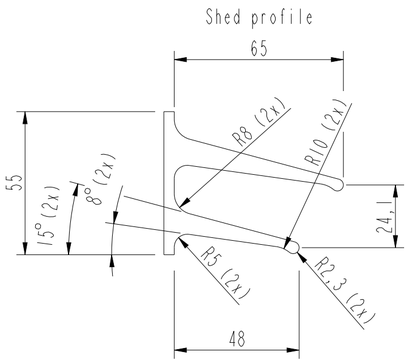
Solid conductor, lower, Cu	
Catalog No	MASS
LFI70082-GBB	20,3

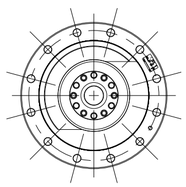
Solid conductor, lower, Cu	
Catalog No	MASS
IZSC029106-AAA	21,9

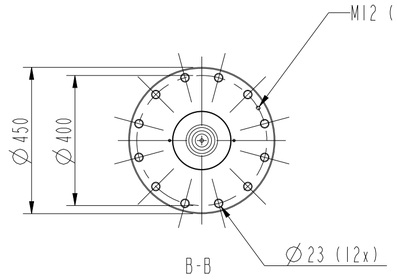
Solid conductor, Al	
Catalog No	MASS
IZSC028820-AAA	22,8

Outer terminal				
Catalog No	D_STUD	H2	MASS	MATERIAL
LFI70079-BA	60	125	3	Al
LFI70079-BB	30	125	2	Al
LFI70079-BC	60	125	8	Cu
LFI70079-BD	30	125	5	Cu









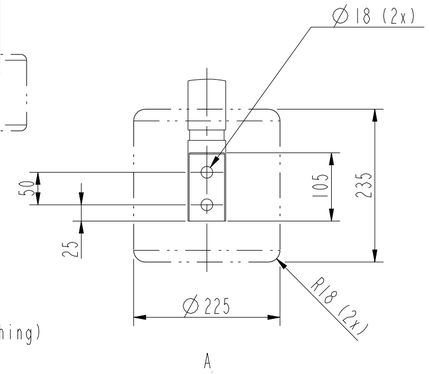


ABB — Ludvika, Sweden

GSA 245-OA 1600/0.3 LFI30245-BB
No.
Um 245 kV Ir 1600 A 50/60 Hz
BIL 1050 kV SIL kV AC 506 kV
M 180 kg L 920 mm ∨ 0-90°
C1 pF Tan δ x
C2 pF Tan δ x

Denominations according to CLC/TS 50458:2006
245/1050/1600 MPV-E300
245/1050/1250 MPU-E300

ELECTRICAL DATA acc. to IEC 60137

Ratings	Rated voltage	245	kV
	Rated phase-to-earth voltage	146	kV
	Max. phase to earth voltage, temporary	245	kV
	Max. current with Cu-conductor	1600	A
D	Max. current with Al-conductor	1600	A
	Max. current with stranded cable 740 mm²	1250	A
	Dry lightning impulse	1050	kV
	Dry switching impulse	850	kV
	Wet switching impulse	750	kV
	Wet power frequency	460	kV
Routine test	Dry power frequency	506	kV
Capacitance	Nominal capacitance	459	pF

GENERAL DATA

Silicone rubber insulator	Creepage distance	9214	mm
	Protected creepage distance	4325	mm
	Color	Light gray	ANSI 70
Mass	Bushing	180	kg
Cantilever load	Cantilever test load, according to IEC 60137	5000	N
	Max. cantilever operating load, bushing	2500	N
Ambient air temperature according to IEC 60137		-40 to +40	°C
Mounting and service instructions		2750515-115	

ELECTRICAL DATA acc. to ANSI C57.19.00

Ratings	Insulation class	230	kV
	Rated max. line to ground voltage	146	kV
	Max. current with Cu-conductor	1600	A
D	Max. current with Al-conductor	1600	A
	Max. current with stranded cable 740 mm²	1250	A

Dim. requirements acc. to C57.19.1 not fulfilled

1) Maximum length of wall and CT.
2) Shield LFI70046-BL required.

Approved	Document Kind	Based on doc.id	Work order id	Project id
2020-06-24	Outline Drawing		.	

Company	Title, Supplimentary title
ABB Technology Ltd	Dimension drawing GSA 245-OA 1600/0.3
Responsible Department	Mättskiss GSA 245-OA 1600/0.3
SEABB-9AAE300824	

Document id	Status	Revision	Iteration	Sheet
2751362-GBB	Released	D		1/1

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