



ISOLATORS Series

High current
Switch-disconnectors

ISOLATORS Series

> HIGH CURRENT SWITCH-DISCONNECTORS



> VERSIONS



Surface mounting - Metal

> REFERENCE STANDARDS

EN 60947-3

Low voltage switchgear and controlgear.
Part 3: switches, disconnectors, switch-disconnectors
and fuse-combination unit.

> TECHNICAL CHARACTERISTICS

Polarity:	3P+N+E
Rated current:	From 200A to 1600A
Protection degree:	IP55
Operating temperature according to the reference standard:	-5°C+40°C
Max. operating temperature:	60°C
Material:	Electro galvanized steel enclosures powder coated
IK degree at 20°C:	IK10
Cable inlet:	FLANGE OPENING
Colour:	Grey RAL 7032 texturized

> BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Limited Resistance	Resistant	Resistant	Limited Resistance	Limited Resistance	Resistant	Limited Resistance	Resistant

For specific substances please contact our technical service.

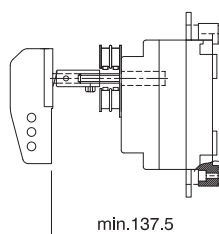
SD2-P 32 - 160A			SD3-P 315 - 500A			SD4-P 630 - 800A			SD5-P 800 - 1250A 50kA		
P	C	H	P	C	H	P	C	H	P	C	H
min max			min max			min max			min max		
124 255	55	P-C	148 261,5	51,5	P-C	174 276	76	P-C	213 306	106	P-C

C = costante / constant

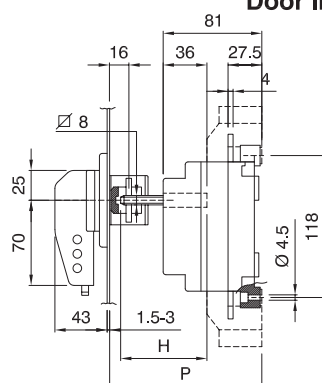
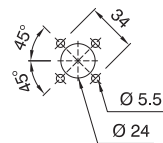
> DIMENSIONS

SD2-P 32 - 160A

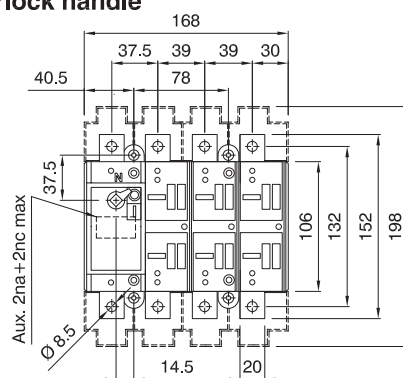
Direct handle



Door drilling

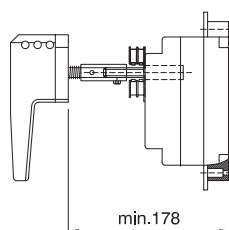


Door interlock handle

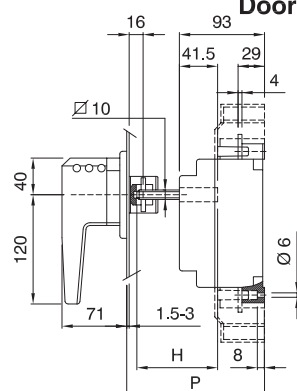
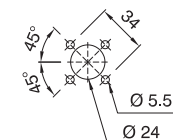


SD3-P 315 - 500A

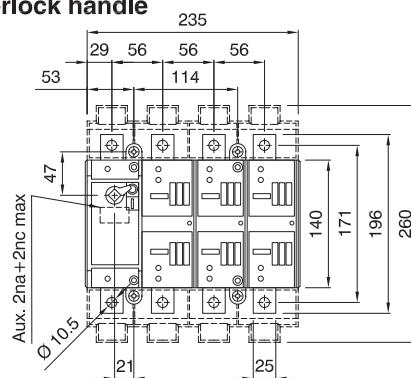
Direct handle



Door drilling

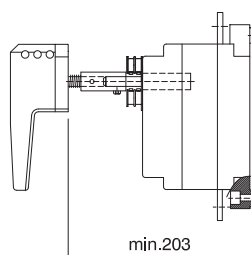


Door Interlock handle

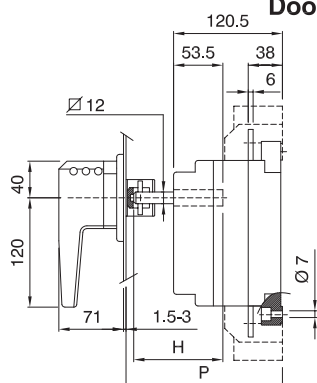
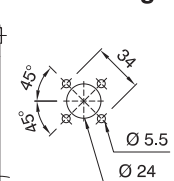


SD4-P 630 - 800A

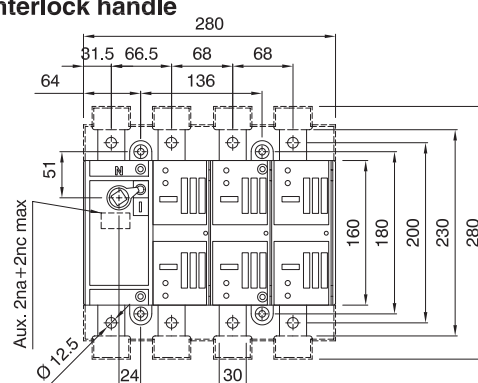
Direct handle



Door drilling

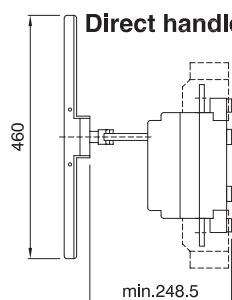


Door interlock handle

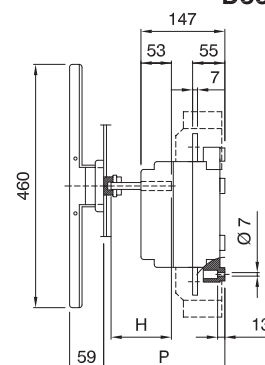
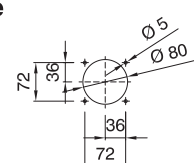


SD5-P 800 - 1250A 50kA

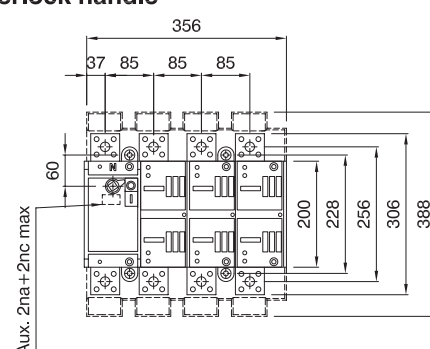
Direct handle



Door drilling



Door Interlock handle



> TECHNICAL DATA

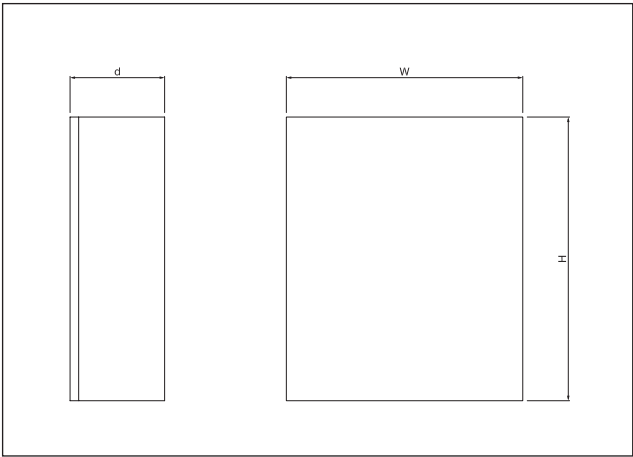
Rated current (In)			200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600
Rated insulation voltage c.c./DC	(Ui)	(V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	(Ui)	(V)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Impulse withstand voltage	(U imp)	(kV)	12	12	12	12	12	12	12	12	12	12
Rated thermal current	(Ith)	(A)	200	250	315	400	500	630	800	1000	1250	1600
Rated operational current	400V	(A)	200	250	315	400	400/500	630	800	1000	1250	1600
	AC-21 A/B	500V (A)	200	250	315	400	400/500	630	800	1000	1250	1600
	690V (A)	200	250	315	400	400/500	630	800	1000	1250	1250	
AC-22A/B	400V (A)	200	250	315	400	400/500	630	800	1000	1250	1600	
	500V (A)	200	250	315	400	400/400	630	800	1000	1250	1250	
	690V (A)	200	250	315	400	400/400	630	800	1000	1250	400	
AC-23A/B	400V (A)	200	250	315	400	400/400	630	800	1000	1250	1250	
	500V (A)	160	200	250	315	315/315	500	800	800	800	800	
	690V (A)	125	160	200	250	250/250	400	400	400	400	400	
DC-21A/B(1)	220V (A)	200	250	315	400	400/500	630	800	1000	1250	1600	
	420V (A)	200	250	315	400	400/500	630	-	-	-	-	
	560V (A)	-	-	315	400	400/500	630	-	-	-	-	
DC-22A/B(1)	220V (A)	200	250	315	400	400/500	630	800	1000	1250	-	
	420V (A)	200	250	315	400	400/400	630	-	-	-	-	
	560V (A)	-	-	315	400	400/400	630	-	-	-	-	
DC-23A/B(1)	220V (A)	200	250	315	400	400/400	630	500	630	800	-	
	420V (A)	200	250	315	400	400/400	630	-	-	-	-	
	560V (A)	-	-	315	400	400/400	630	-	-	-	-	
Rated making capacity at 400V AC23		(A)	2000	2500	3150	4000	4000	6300	8000	10000	12500	12500
Rated breaking capacity at 400V AC23		(A)	1600	2000	2520	3200	3200	5040	6400	8000	10000	10000
Short-circuit withstand current 1 sec.		(kA)	8	8	13	13	13	26,5	35	35	35	60
Short-circuit withstand current 0,25 sec.		(kA)	16	16	26	26	26	53	70	70	70	120
Short-circuit making capacity		(400V) (kA)	13,5	13,5	26	26	26	30	73,5	73,5	73,5	105
Rated operational power AC-23A		(400V) (Kw)	105	130	165	210	210	330	420	525	630	630
Rated fuse short-circuit current												
Back up fuse		(A)	200	250	315	400	400	630	800	1000	1000	-
R.M.S. value		(kA)	100	50	50	50	50	50	100	100	100	-
Peak value		(kA)	20	25	25	30	30	30	70	90	100	-
Mechanical endurance		nos.	10000	10000	8000	8000	8000	8000	7000	7000	7000	4000
Electrical andurance		nos.	2000	2000	1500	1500	1500/200	1500	1000	1000	1000	1000
Rated capacitor power at 400V		kVAR	90	110	140	180	180	300	380	475	600	780
Power losses for pole		(W)	2,4	3,8	5,9	9,4	14,8	15,6	17,5	27,3	12,7	47,8
Cable section		Sq. mm	120	120	240	240	240	2X185	2x240	-	-	-
Bars dimension		mm	20X5	20X5	2X25X5	2X25X5	2X25X5	2X32X6	2x50x5	2X50X6	2X50X8	2x80x10
Operation torque		Nm	12	12	18	18	18	34	45	45	45	70
Net weight	3P	Kg	1,5	1,5	3,5	3,5	3,5	5,5	11	11	11	17
	4P	Kg	1,6	1,6	3,8	3,8	3,8	6	12	12	12	19

(1) Two poles in series

> SURFACE MOUNTING - METAL VERSION - IP55



	Poles	Enclosure dimensions HxWxd (mm)		General use 
200A	3P+N+E	600x500x200	1	590.KGE20004
250A	3P+N+E	600x500x200	1	590.KGE25004
315A	3P+N+E	800x800x200	1	590.KGE31504
400A	3P+N+E	800x800x200	1	590.KGE40004
500A	3P+N+E	800x800x250	1	590.KGE50004
630A	3P+N+E	800x800x250	1	590.KGE63004
800A	3P+N+E	1000x1000x300	1	590.KGE80004
1000A	3P+N+E	1000x1000x300	1	590.KGE100004
1250A	3P+N+E	1200x1000x300	1	590.KGE125004
1600A	3P+N+E	2000x800x400	1	590.KGE160004



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