

Technical Data Sheet

Flush Mounting Enclosed Switchgear

CDPD114
Issue 4

Flush Mounting Enclosed Switchgear

A range of flush mounting isolation equipment ranging 20A to 63A, supplied with a Sheet Steel back box and Stainless Steel fascia plate sealed up to IP65. All units are supplied with a handle manufactured from a material suitable to withstand cleaning products containing sodium hydroxide. Suitable for installation in kitchens, laboratories, food processing areas, hospitals and many other areas.

Installation

Whilst the joint between the isolating switch and the Stainless Steel fascia plate is factory sealed to IP65 min, when installed, the fascia to mounting surface seal is the responsibility of the installer. To maintain the sealing Overall, an efficient bond must be made using some form of gasket material. This is particularly vital on tiled surfaces where grout lines can channel moisture down the wall. A continuous bead of moisture resistant mastic is a simple way of providing a seal, and can improve the appearance of the final assembly on an uneven surface.

Switch Disconnectors (O-I)									
Image	Rating	Format	Interior Switch	Cat No.	Encl. Size	Fascia plate Material	Back Box Material	IP Rating	Cable Entries
	20A	2P	GX20	SDFL202	A	Brushed Stainless Steel Grade 304	Zinc Plated Sheet Steel	Isolating switch to Stainless Steel fascia plate IP65	Knock-outs In Back Box
		3P		SDFL203					
		4P		SDFL204					
	32A	2P	GX32	SDFL322	B	Brushed Stainless Steel Grade 304	Zinc Plated Sheet Steel	Isolating switch to Stainless Steel fascia plate IP65	Knock-outs In Back Box
		3P		SDFL323					
		4P		SDFL324					
	40A	2P	GX40	SDFL402	B	Brushed Stainless Steel Grade 304	Zinc Plated Sheet Steel	Isolating switch to Stainless Steel fascia plate IP65	Knock-outs In Back Box
		3P		SDFL403					
		4P		SDFL404					
	63A	2P	GN63	SDFL632	C	Brushed Stainless Steel Grade 304	Zinc Plated Sheet Steel	Isolating switch to Stainless Steel fascia plate IP65	Knock-outs In Back Box
		3P		SDFL633					
		4P		SDFL634					
	80A	2P	CS80	SDFLL0802	D	Brushed Stainless Steel Grade 304	Zinc Plated Sheet Steel	Isolating switch to Stainless Steel fascia plate IP65	None
		3P		SDFLL0803					
		4P		SDFLL0804					
	100A	2P	CS100	SDFLL1002	E	Brushed Stainless Steel Grade 304	Zinc Plated Sheet Steel	Isolating switch to Stainless Steel fascia plate IP65	None
		3P		SDFLL1003					
		4P		SDFLL1004					







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Technical Specification

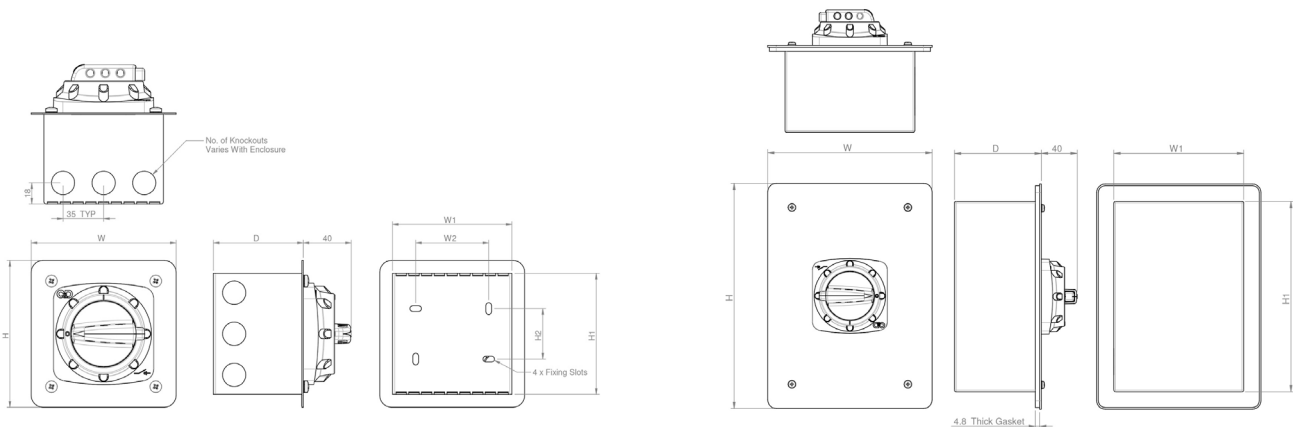
Data supplied against tests to IEC/BS EN 60947-3

Fixed Lid Enclosed Switchgear									
Application	Sym.	Unit	Category	20A	32A	40A	63A	80A	100A
Interior switch		-		GX20	GX32	GX40	GN63	CS80	CS100
Rated thermal current	I_{the}	A		20	32	40	63	80	100
Rated insulation voltage	U_i	V		690	690	690	690	690	1000
Rated impulse voltage	U_{imp}	kV		6	6	6	6	6	8
Rated operational current	I_e	A	400V AC23A (3 phase AC 50/60Hz)	15	32	35	60	63	100
Rated operational power	I_e	kW	230V	2.2	4.8	6.0	-	-	-
	P_e		400V	7.5	15	18.5	30	30	59
Rated short time withstand current	I_{cw}	A	1 sec	250	800	800	1600	1400	2600
Max. fuse size for short circuit protection	gG	kA	10kA	20	35	40	63	80	160
			25kA	16	35	35	63	63	160
			50kA	-	-	-	63	63	160
Recommended connecting capacity		-	Terminal type						
		mm ²	Flexible cable	2.5 x 2	6 x 2	6 x 2	10	16	50
		mm ²	Rigid cable	2.5 x 2	10 x 2	10 x 2	16	25	25
		Nm	Tightening torque	1.0	1.0	1.0	1.2	1.2	5
Operating Temperature Range			Ambient	-5°C to +40°C					

Dimensions

Size A - C

Size D & E



Encl. Size	Overall Dims.			Fixing Details			
	H	W	D	H1	H2	W1	W2
A	125	125	75	100	43	100	62
B	175	175	75	150	93	150	113
C	175	175	100	150	93	150	113
D	260	190	97-101	220	--	150	--
E	320	260	126-130	280	--	220	--