Technical Data Sheet
Flush Mounting Switch Disconnectors

CDPD57
Issue 1

General Description

Craig & Derricott have been manufacturing flush mounting isolators for more than 70 years and in that time the design has been carefully modified to give features that installers and end users really need.

The assembly consists of a zinc plated back box (complete with knock-outs) and a stainless steel fascia plate which carries the isolating switch and lockable handle. The fascia plate now comes in an attractive brushed finish which resists the fingerprint effect associated with highly polished surfaces. Equally at home in kitchens, laboratories, food processing areas, hospitals and many other areas where an elegant, low projection isolation device is required.



Switch-Disconnectors (O-I)

Catalogue Numbers

Rating	Format	Interior Switch	Cat. No.	Enclosure Size
20A	2P	GX	SDFL202	A
	3P		SDFL203	
	4P		SDFL204	
32A	2P	GX	SDFL322	B
	3P		SDFL323	
	4P		SDFL324	
40A	2P	GX	SDFL402	B
	3P		SDFL403	
	4P		SDFL404	
63A	2P	GN	SDFL632	C
	3P		SDFL633	
	4P		SDFL634	

Design Features

Enclosure

Fascia plate — Stainless steel 304, thickness 1.2mm
Finish — Brushed.



Back box — Sheet steel, thickness 1.4mm
Finish — Galvanised

Entries

Knockouts in back box.

Sealing

Isolating switch to stainless steel fascia plate - IP66.

Fascia plate securing screws

Stainless steel (M5 x 25 with ‘Allen Key’ head).

Earthing

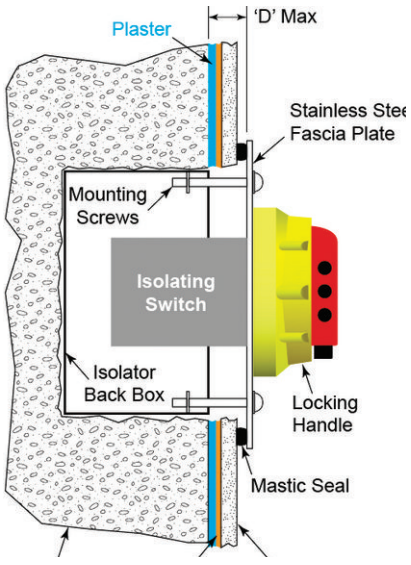
Separate earthing points on fascia plate and back box.

Installation

Whilst the joint between the isolating switch and the stainless steel fascia plate is factory sealed to IP66 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 gasketing 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.



Typical Installation
‘D’ max = 20mm with standard length mounting screws

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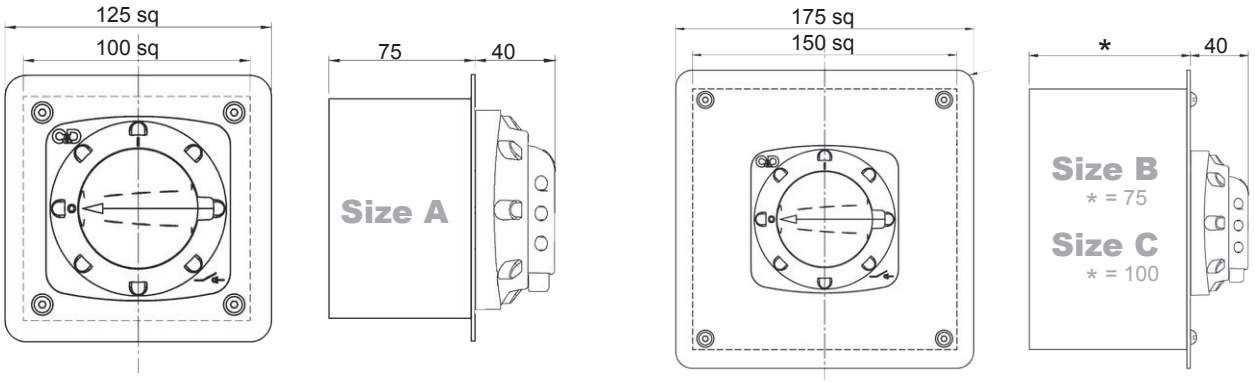
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Technical Specification

Data supplied against tests to IEC/BS EN 60947-3				Rating									
Application	Sym.	Unit	Category	20A	25A	32A		40A		63A		80A	100A
Switch product range	-	-		GX20	CS25	GX32	CS32	GX40	CS40R	GN63	CS63	CS80	CS100
Rated thermal current	I_{the}	A		20	25	32	32	40	40	63	63	80	100
Rated insulation voltage	U_i	V		690	690	690	690	690	690	690	690	690	1000
Rated impulse voltage	U_{imp}	kV		6	6	6	6	6	6	6	6	6	8.0
Rated operational power(3 phase AC)		kW	380/440 - AC23	7.5	11	15	15	18.5	15	30	25	30	59
			500V - AC23	7.5	15	15	15	15	15	30	30	37	63
			690V - AC23	7.5	15	15	15	15	15	30	30	30	51
Rated short time withstand current (1 sec)	I_{cw}	A		250	500	800	600	800	600	1600	1300	1400	2600
Max. fuse size for short circuit protection (gG Characteristic)		kA	10kA	20	35	35	35	40	40	63	80	80	160
			25kA	16	32	35	32	35	32	63	63	63	160
			50kA	-	32	-	32	-	32	63	63	63	160
Recommended connecting capacity		-	Terminal type										
		mm^2	Flexible cable	2.5 x 2	6	6 x 2	6	6 x 2	6	10	16	16	50
		mm^2	Rigid cable	2.5 x 2	10	10 x 2	10	10 x 2	10	16	25	25	70
		Nm	Tightening torque	1.0	1.2	1.0	1.2	1.0	1.2	1.2	1.2	1.2	2

Dimensions



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