

Technical Data Sheet

SDDG Die-Cast Aluminium Enclosed Switchgear

CDPD263
Issue 2

Die-Cast Aluminium Enclosed Switchgear


A range of Die-Cast Aluminium enclosed isolation equipment with sealing up to IP66 available in Light Grey (RAL 7035) or Traffic Red (RAL3020) powder coated finish. These units can be placed in environments where resistance to impacts, moisture and dust/dirt are a concern. All units have a padlockable handle which allows for the insertion of up to three padlocks in the 'Off' position thus preventing the isolator being switched to the 'On' position. All units are interlocked in the ON position preventing the lid from being removed and when padlocked in the OFF position. The option to add a selection of auxiliary blocks providing additional contacts and a choice of Neutral assemblies increases the flexibility of the product range. Compliant to IEC / BS EN 60947-3.

Enclosures finished Red (RAL 3020) are available to order, please contact our Sales team for details. Replace 'G' in the Cat. No. to 'R' e.g. SDDR253N

'N' = switched neutral (early make, late break) | 'NL' = unswitched neutral | 'EB' = early break auxiliary contacts

'X' = bottom cable entries only. For top and bottom cable entries, replace 'X' with 'Y' in the Cat. No. E.g. SDDG402Y



Add suffix '/10' to the Cat. No. for padlocking in the 'On' position e.g. SDDG253/10

Switch Disconnectors (O-I)									
Image	Rating	Format	Interior Switch	Cat No.	Encl. Size	Encl. Material	Encl. Colour	IP Rating	Cable Entries
	20A	6P	GX20	SDDG206	A	Die-Cast Aluminium	Light Grey RAL 7035	IP66	2xM20 On Bottom Face
		6P+2EB Aux		SDDG206EB					
	25A	2P	CS25	SDDG252	A	Die-Cast Aluminium	Light Grey RAL 7035	IP66	2xM20 On Bottom Face
		3P		SDDG253					
		3P+N		SDDG253N					
		3P+NL		SDDG253NL					
		3P+2EB Aux		SDDG253EB					
	32A	2P	CS32	SDDG322	A	Die-Cast Aluminium	Light Grey RAL 7035	IP66	2xM20 On Bottom Face
		3P		SDDG323					
		3P+N		SDDG323N					
		3P+NL		SDDG323NL					
		3P+2EB Aux		SDDG323EB					
40A	2P	CS40R	SDDG402X	A	Die-Cast Aluminium	Light Grey RAL 7035	IP66	2xM25 On Bottom Face	
	3P		SDDG403X						
	3P+N		SDDG403NX						
	3P+NL		SDDG403NLX						
	3P+2EB Aux		SDDG403EBX						
	2P	GX40	SDDG402	B	Die-Cast Aluminium	Light Grey RAL 7035	IP65	2xM25 + 1xM20 On Bottom Face	
	3P		SDDG403						
	3P+N		SDDG403N						
	3P+NL		SDDG403NL						
	3P+2EB Aux		SDDG403EB						
63A	6P	CS63	SDDG406	B	Die-Cast Aluminium	Light Grey RAL 7035	IP65	2xM25 + 1xM20 On Bottom Face	
	6P+2EB Aux		SDDG406EB						
	2P		SDDG632						
	3P		SDDG633						
	3P+N		SDDG633N						
	3P+NL		SDDG633NL						
	3P+2EB Aux		SDDG633EB						
80A	6P	CS80	SDDG636	B	Die-Cast Aluminium	Light Grey RAL 7035	IP65	2xM32 + 1xM20 On Bottom Face	
	6P+2EB Aux		SDDG636EB						
	3P		SDDG803						
	3P+NL		SDDG803NL						

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Changeover Switch Disconnectors (I-O-II)									
Image	Rating	Format	Interior Switch	Cat No.	Encl. Size	Encl. Material	Encl. Colour	IP Rating	Cable Entries
	20A	2P	GX20	SCODDG202	A	Die-Cast Aluminium	Light Grey RAL 7035	IP66	2xM20 On Bottom Face
		3P		SCODDG203					
		4P		SCODDG204					
	40A	2P	GX40	SCODDG402	B	Die-Cast Aluminium	Light Grey RAL 7035	IP65	2xM25 + 1xM20 On Bottom Face
		3P		SCODDG403					
		4P		SCODDG404					

Technical Specification

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

Fixed Lid Enclosed Switchgear										
Application	Sym.	Unit	Category	20A	25A	32A	40A	63A	80A	
Interior switch		-		GX20	CS25	CS32	CS40R	GX40	CS63	CS80
Rated thermal current	I_{the}	A		20	25	32	40	40	63	80
Rated insulation voltage	U_i	V		690	690	690	690	690	690	690
Rated impulse voltage	U_{imp}	kV		6	6	6	6	6	6	6
Rated operational current	I_e	A	400V AC23A (3 phase AC 50/60Hz)	15	25	32	32	35	54	63
Rated operational power	I_e	kW	230V	2.2	3.7	4.8	6.0	6.0	9.4	-
	P_e		400V	7.5	11	15	15	18.5	25	30
Rated short time withstand current	I_{ow}	A	1 sec	250	500	600	600	800	1300	1400
Max. fuse size for short circuit protection	gG	kA	10kA	20	35	35	40	40	80	80
			25kA	16	32	32	32	35	63	63
			50kA	-	32	32	32	-	63	63
Recommended connecting capacity		-	Terminal type							
		mm ²	Flexible cable	2.5 x 2	6	6	6	6 x 2	16	16
		mm ²	Rigid cable	2.5 x 2	10	10	10	10 x 2	25	25
		Nm	Tightening torque	1.0	1.2	1.2	1.2	1.0	1.2	1.2
Operating Temperature Range			Ambient	-5°C to +40°C						

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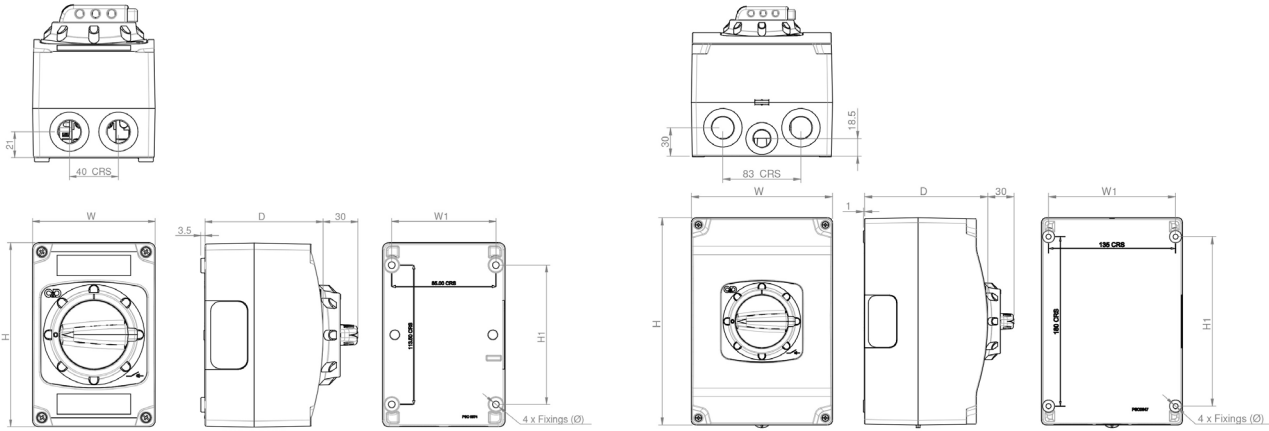
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Dimensions

Size A

Size B



Encl. Size	Overall Dims.			Fixing Details		
	H	W	D	H1	W1	Ø
A	150	100	96	113.5	85	5.5
B	220	150	120	180	135	5.5