

Technical Data Sheet

Moulded Plastic Switchgear Range

CDPD145
Issue 2

Moulded Plastic Enclosed Switchgear

A range of moulded plastic enclosed isolation equipment with sealing up to IP66. All units have a padlockable handle which allow for the insertion of up to three padlocks in the 'Off' position thus preventing the isolator being switched to the 'On' position. The units have the ability to add a selection of auxiliary blocks providing additional contacts and a choice of Neutral assemblies. All units are interlocked in the ON position preventing the lid from being removed and when padlocked in the OFF position. Compliant to IEC / BS EN 60947-3.

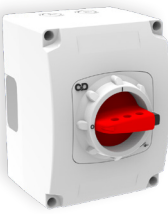
'N' = switched neutral (Early make, late break)

'NL' = Unswitched neutral

'EB' = Early break auxiliary contacts

Add suffix '/10' to the Cat. No. for padlocking in the 'On' position e.g. SDP253/10

Add suffix '/CO' to a Cat. No. to include 1 set of Auxiliary contacts e.g. EDP253/CO

Switch-Disconnectors (O-I)									
Image	Rating	Switch Type	Format	Cat. No.	Encl. Size	Encl. Material	IP Rating	Encl. Colour	Cable Entries
	20A	GX20	6P	EDP206	E	PA / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom.
			6P+2EB Aux	EDP206EB					
	25A	CS25	2P	EDP252	E	PA / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom.
			3P	EDP253					
			3P+NL	EDP253NL					
			3P+N	EDP253N					
			3P+2EB Aux	EDP253EB					
	32A	CS32	2P	EDP322	E	PA / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom.
			3P	EDP323					
			3P+NL	EDP323NL					
			3P+N	EDP323N					
			3P+2EB Aux	EDP323EB					
	40A	CS40R	2P	EDP402	B	PC / ABS	IP65	Light Grey RAL 7035	2 x M20/25 knock-outs top & bottom. Back face - 2 x M20 knock-outs
			3P	EDP403					
		GX40	6P	EDP406					
			6P+2EB Aux	EDP406EB					
	63A	CS63	2P	EDP632	B	PC / ABS	IP65	Light Grey RAL 7035	2 x M20/25 knock-outs top & bottom. Back face - 2 x M20 knock-outs
			3P	EDP633					
			3P+NL	EDP633NL					
			3P+N	EDP633N					
			3P+2EB Aux	EDP633EB					
	80A	CS80	2P	EDP802	C	PC	IP65	Light Grey RAL 7035	Blank sides
			3P	EDP803					
			3P+NL	EDP803NL					
			3P+N	EDP803N					
			3P+2EB Aux	EDP803EB					

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Switch-Disconnectors (O-I)										
Image	Rating	Interior Switch	Format	Cat. No.	Encl. Size	Encl. Material	IP Rating	Encl. Colour	Cable Entries	
	20A	GX20	6P	SDP206	A	PC / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom	
			6P+2EB Aux	SDP206EB						
	25A	CS25	2P	SDP252	A	PC / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom	
			3P	SDP253						
			3P+NL	SDP253NL						
			3P+N	SDP253N						
			3P+2EB Aux	SDP253EB						
	32A	CS32	2P	SDP322	A	PC / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom	
			3P	SDP323						
			3P+NL	SDP323NL						
			3P+N	SDP323N						
			3P+2EB Aux	SDP323EB						
	40A	CS40R	2P	SDP402	B	PC / ABS	IP65	Light Grey RAL 7035	2 x M20/25 knock-outs top & bottom. Back face - 2 x M20 knock-outs	
			3P	SDP403						
			3P+NL	SDP403NL						
			3P+N	SDP403N						
			3P+2EB Aux	SDP403EB						
		GX40	6P	SDP406						
	6P+2EB Aux		SDP406EB							
	63A	CS63	2P	SDP632	B	PC / ABS	IP65	Light Grey RAL 7035	2 x M20/25 knock-outs top & bottom. Back face - 2 x M20 knock-outs	
			3P	SDP633						
			3P+NL	SDP633NL						
			3P+N	SDP633N						
			3P+2EB Aux	SDP633EB						
	80A	CS80	2P	SDP802	C	PC	IP65	Light Grey RAL 7035	Blank sides	
			3P	SDP803						
			3P+NL	SDP803NL						
			3P+N	SDP803N						
			3P+2EB Aux	SDP803EB						
	100A	CS100	2P	SDP1002	D	PC	IP65	Light Grey RAL 7035	Blank sides	
			3P	SDP1003						
			3P+NL	SDP1003NL						
			3P+N	SDP1003N						
			3P+2EB Aux	SDP1003EB						
	Changeover Switch-Disconnectors (I-O-II)									
		20A	GX20	2P	SCODP202	A	PC / ABS	IP66	Light Grey RAL 7035	2 x M20 knock-outs top & bottom
3P				SCODP203						
4P				SCODP204						
	40A	GX40	2P	SCODP402	B	PC / ABS	IP65	Light Grey RAL 7035	2 x M20/25 knock-outs top & bottom. Back face - 2 x M20 knock-outs	
			3P	SCODP403						
			4P	SCODP404						

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Fixed Lid Accessories

All of the accessories listed below can be retrofitted. One block can be fitted either side of the main assembly on all of the 3 pole Switch-Disconnectors interiors.

Description	Cat. No.
Auxiliary Contact- 2 Early Break	SAUX2EB
Auxiliary Contact- 1 N/O + 1 N/C	SAUXCO
25A- 40A Compact Neutral (Unswitched)	SNLC40
63A Neutral (Unswitched)	SNL63
80A Neutral (Unswitched)	SNL80
100A Neutral (Unswitched)	SNL100
25A Neutral (Switched)	SSP25
40A Neutral (Switched)	SSP40
63A Neutral (Switched)	SSP63
80A Neutral (Switched)	SSP80
100A Neutral (Switched)	SSP100

Technical Specification

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

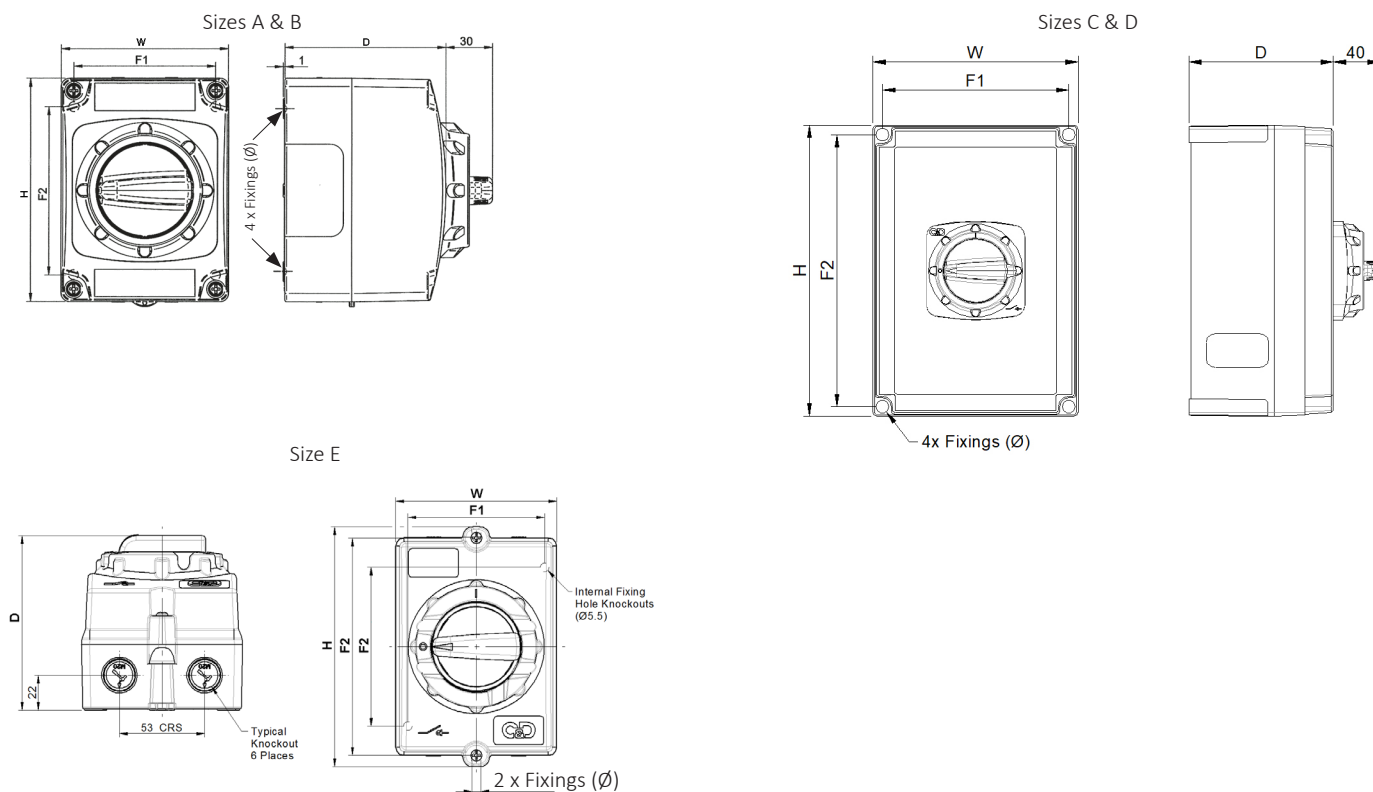
Application	Sym	Unit	Category	20A	25A	32A	40A	63A	80A	100A	
Interior Switch		-		GX20	CS25	CS32	GX40	CS40R	CS63	CS80	CS100
Rated thermal current	I _{the}	A		20	25	32	40	40	63	80	100
Rated insulation voltage	U _i	V		690	690	690	690	690	690	690	1000
Rated impulse voltage	U _{imp}	kV		6	6	6	6	6	6	6	8
Rated operational Current	I _e	A	400V- AC23A (3 phase AC 50/60Hz)	15	25	32	35	32	54	63	100
Rated operational power (Single phase)		kW	230V- AC23	-	3.7	4.8	-	6.0	9.4	-	-
Rated operational power (Three phase)		kW	380/440- AC23	7.5	11	15	18.5	15	25	30	59
			500V- AC23	7.5	15	15	15	15	30	37	63
			690V- AC23	7.5	15	15	15	15	30	30	51
Rated short time withstand current	I _{cw}	A	1 Sec	250	500	600	800	600	1300	1400	2600
Max. fuse size for short circuit protection (gG Characteristic)		kA	10kA	20	35	35	40	40	80	80	160
			25kA	16	32	32	35	32	63	63	160
			50kA	-	32	32	-	32	63	63	160
Recommended connecting capacity		-	Terminal type								
		mm ²	Flexible cable	2.5 x 2	6	6	6 x 2	6	16	16	50
		mm ²	Rigid cable	2.5 x 2	10	10	10 x 2	10	25	25	25
		Nm	Tightening torque	1.0	1.2	1.2	1.0	1.2	1.2	1.2	5

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Dimensions



Encl. Size	Overall Dims.			Fixing details			Knockouts		
	H	W	D	F1	F2	Ø	Top	Btm	Back
A	135	100	95	85	98.5	5.5	2x M20	2x M20	2x M20
B	175	130	115	115	135	5.5	2x Combination M20 / M25		2x M20
C	255	180	125	163.5	238.5	4.5	Plain sided		
D	255	180	175	163.5	238.5	4.5	Plain sided		
E	149	100	108.5	85	136.5 / 98.5	5.5	2x M20	2x M20	2x M20



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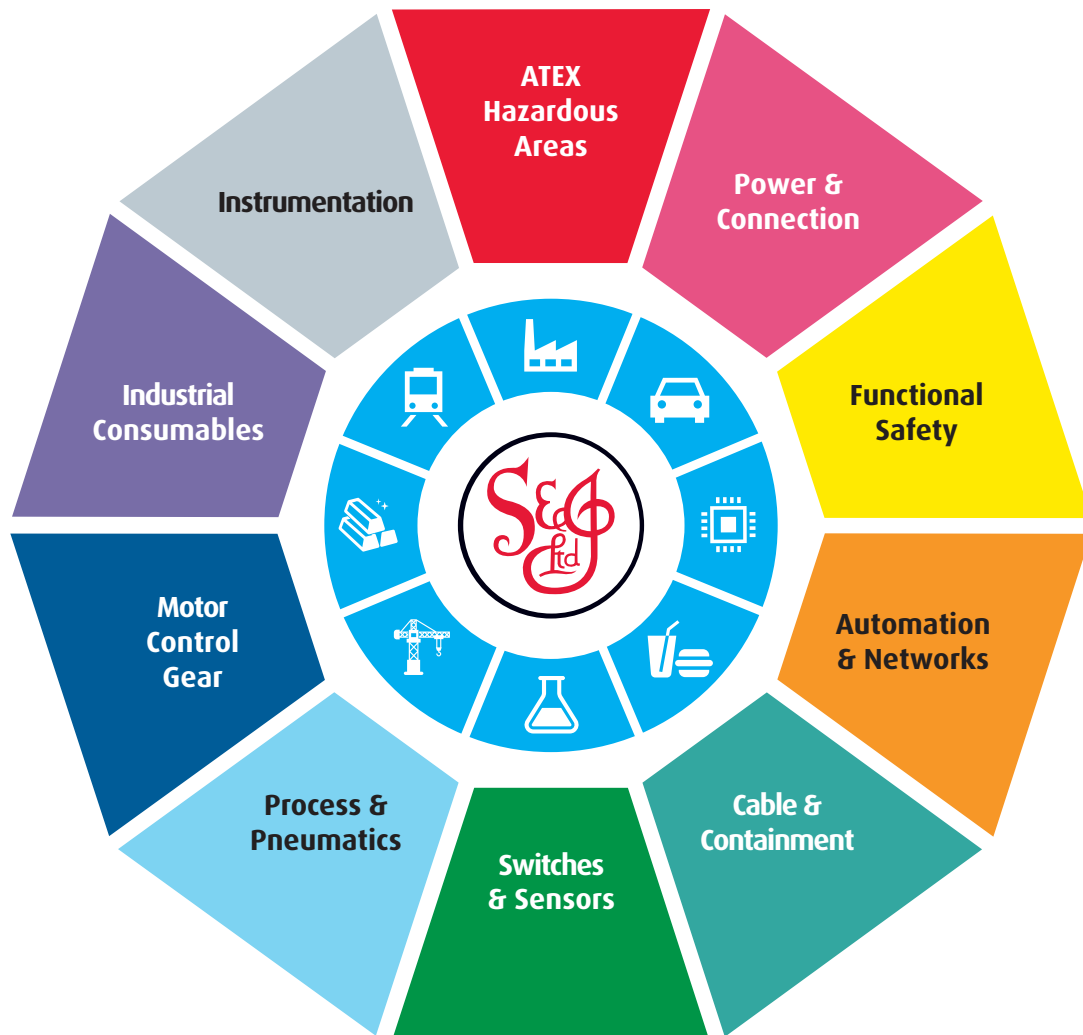
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