Technical Data Sheet

EDG Sheet Steel Hinged Door Switchgear

CDPD101
Issue 10

Sheet Steel Hinged Door Switchgear

A range of 'hinged door' Light Grey (RAL 7035) powder coated sheet steel isolation equipment. Supplied in IP65 generously sized boxes which helps to avoid the need for extension boxes. All enclosures have the switches mounted on a removable galvanised chassis plate. All units are provided with removable top & bottom gland plates. The range has a padlockable handle which allows for the insertion of up to three padlocks in the "Off" position. The hinged door cannot be opened in the ON position or when the hand is padlocked in the OFF position. For padlocking in both 'Off' and 'On' positions, add '/10' to the catalogue no. e.g. EDG00323N/10. The door interlock handle can be defeated to enable emergency opening or for testing purposes (100A and above).

Both red (RAL 3020) painted Sheet Steel and Stainless Steel (Grade 304 & 316) enclosures are available on request for the more severe environments. Contact our sales team on 01543 375 541 for further information. Compliant to IEC / BS EN 60947-3.
'N' = switched neutral | 'NL' = Unswitched neutral (100% rated 32A-200A, 50% rated 250A-1250A) | 'EB = Early break auxiliary contacts

Switch-Disconnectors (O-I)							
Image	Rating	Format	Cat. No.	Encl. Size	Encl. Material	IP Rating	Encl. Colour
	32A	3P+N	EDG00323N	1	Sheet Steel	IP65	Light Grey RAL 7035
		3P+NL	EDG00323NL				
	63A	3P+N	EDG00633N	1	Sheet Steel	IP65	
		3P+NL	EDG00633NL				
		6P	EDG00636				
		6P+2EB Aux	EDG00636EB				
	80A	3P+N	EDG00803N	1	Sheet Steel	IP65	
		3P+NL	EDG00803NL				
		6P	EDG00806				
	100A	3P+N	EDG01003N	1	Sheet Steel	IP65	
		3P+NL	EDG01003NL				
		6P	EDG01006	5			
	125A	3P+N	EDG01253N	3	Sheet Steel	IP65	
		3P+NL	EDG01253NL				
		6P	EDG01256	5			
	160A	3P+N	EDG01603N	3	Sheet Steel	IP65	
		3P+NL	EDG01603NL				
		6P	EDG01606	5			
	200A	3P+N	EDG02003N	7	Sheet Steel	IP65	
		3P+NL	EDG02003NL				
	250A	3P+N	EDG02503N	9	Sheet Steel	IP65	
		3P+NL	EDG02503NL				
	400A	3P+N	EDG04003N	11	Sheet Steel	IP65	
		3P+NL	EDG04003NL				
	630A	3P+N	EDG06303N	13	Sheet Steel	IP65	
		3P+NL	EDG06303NL				
	800A	3P+N	EDG08003N	13	Sheet Steel	IP65	
		3P+NL	EDG08003NL				
	1000A	3P+N	EDG10003N	14	Sheet Steel	IP65	
		3P+NL	EDG10003NL				
	1250A	3P+N	EDG12503N	15	Sheet Steel	IP65	
		3P+NL	EDG12503NL				
Changeover Switch-Disconnectors (I-O-II)							
	63A	4P	ECODG00634	4	Sheet Steel	IP65	Light Grey RAL 7035
	100A	4P	ECODG01004	4	Sheet Steel	IP65	
	125A	4P	ECODG01254	8	Sheet Steel	IP65	
	160A	4P	ECODG01604	8	Sheet Steel	IP65	
	200A	4P	ECODG02004	8	Sheet Steel	IP65	
	250A	4P	ECODG02504	10	Sheet Steel	IP65	
	400A	4P	ECODG04004	13	Sheet Steel	IP65	
	630A	4P	ECODG06304	13	Sheet Steel	IP65	

CRAIG & DERRICOTT

www.craigandderricott.com

Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

EDG Sheet Steel Hinged Door Switchgear

Fuse Combination Units (O-I)							
Image	Rating	Format	Cat. No.	Encl. Size	Encl. Material	IP Rating	Encl. Colour
	32A	3P+NL	EDFG00323NL	2	Sheet Steel	IP65	Light Grey RAL 7035
	63A	3P+NL	EDFG00633NL	2	Sheet Steel	IP65	
	100A	3P+NL	EDFG01003NL	6	Sheet Steel	IP65	
	125A	3P+NL	EDFG01253NL	6	Sheet Steel	IP65	
	160A	3P+NL	EDFG01603NL	6	Sheet Steel	IP65	
	200A	3P+NL	EDFG02003NL	8	Sheet Steel	IP65	
	250A	3P+NL	EDFG02503NL	8	Sheet Steel	IP65	
	315A	3P+NL	EDFG03153NL	12	Sheet Steel	IP65	
	400A	3P+NL	EDFG04003NL	12	Sheet Steel	IP65	
	630A	3P+NL	EDFG06303NL	13	Sheet Steel	IP65	
	800A	3P+NL	EDFG08003NL	13	Sheet Steel	IP65	

Hinged Door Accessories

Add-on auxiliary blocks are available for all hinged door products. All auxiliaries are supplied as 1 N/O+1 N/C pair. All N/O auxiliary contacts are early break with respect to the main poles when switching from 'On' to 'Off'.

All of the Fuse Combination Units are supplied fitted with a set of fully rated IEC/BS EN 60269 (BS88) fuse links. Replacements can be supplied as individual fuse links and can be fitted to a lower rating to suit a particular load: please refer to the rating table below to maintain the correct size/tag format.

Terminal protection is provided on all items for live incoming terminals; spare terminal covers are available for replacement or extending the protection to the outgoing terminals. (Not available for 800A- 1250A switch-disconnectors.)

Auxiliary Contacts		
Image	Description	Cat. No.
 A B C	Auxiliary Contact for 32A- 200A Switch-Disconnectors (Type A)	SAUXCO
	Auxiliary Contact for 63A- 160A Fuse Combination (Type B)	SAUXKITA
	Auxiliary Contact for 250A Switch-Disconnectors (Type C)	SAUXKITB
	Auxiliary Contact for 400A- 800A Switch-Disconnectors & 200A- 400A Fuse Combination (Type C)	SAUXKITC
	Auxiliary Contact for 1000A Switch-Disconnectors & 630A Fuse Combination Units (Type D)	SAUXKITD
Fuse Links		
	32A Fuse Link. BS Fuse format A2, A3. Fuse Fixing CRS (mm) 73 nom.	SFL32
	63A Fuse Link. BS Fuse format A2, A3. Fuse Fixing CRS (mm) 73 nom.	SFL63
	100A Fuse Link. BS Fuse format A4. Fuse Fixing CRS (mm) 94 nom.	SFL100
	125A Fuse Link. BS Fuse format A4. Fuse Fixing CRS (mm) 94 nom.	SFL125
	160A Fuse Link. BS Fuse format B1, B2. Fuse Fixing CRS (mm) 111 nom.	SFL160
	200A Fuse Link. BS Fuse format B1-B2. Fuse Fixing CRS (mm) 111 nom.	SFL200
	250A Fuse Link. BS Fuse format B1-B2. Fuse Fixing CRS (mm) 111 nom.	SFL250
	315A Fuse Link. BS Fuse format B1-B4. Fuse Fixing CRS (mm) 111 nom.	SFL315
	400A Fuse Link. BS Fuse format B1-B4. Fuse Fixing CRS (mm) 111 nom.	SFL400
	630A Fuse Link. BS Fuse format C1-C3. Fuse Fixing CRS (mm) 133/184 nom.	SFL630
Terminal Covers		
	Individual Terminal Cover for 200A Switch-Disconnectors & Fuse Combination (M8 Stud)	STS1
	Individual Terminal Cover for 250A- 400A Switch-Disconnectors & Fuse Combination (M10 Stud)	STS2
	Individual Terminal Cover for 630A Fuse Combination (M12 Stud)	STS3
	Set of 4 Terminal Covers for 630A Switch-Disconnectors (M12 Stud)	STS4

Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

CDPD101
Issue 10

Technical Specification

Data supplied against tests to IEC/BS EN 60947-3. * All AC21, AC22 & AC23 tests carried out at 415V

Switch-Disconnectors (O-I)																	
Application	Sym	Unit	Category	32	63		80	100	125	160	200	250	400	630	800	1000	1250
				3P	3P	6P	3P	3P	3P	3P	3P	3P	3P	3P	3P	3P	3P
Rated thermal current	I_{the}	A		32	63	63	80	100	125	160	200	250	400	630	720	1000	1250
Rated insulation voltage	U_i	V		690	690	690	690	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse voltage	U_{imp}	kV		6	6	6	6	8	8	8	8	12	12	12	12	8	8
Rated operational current (AC)	I_e	A	400V- AC21A	32	63	63	80	100	125	160	200	250*	400*	630*	800*	1000*	1250*
			690V- AC21A	32	63	63	80	100	125	160	200	250	400	630	800	1000	1250
			400V- AC22A	-	-	-	-	100	125	160	200	250*	400*	630*	800*	1000*	1250*
			690V- AC22A	-	-	-	-	100	125	160	160	250	400	630	800	-	-
			400V- AC23A	29	48	48	56	105	111	132	132	250*	400*	630*	720*	1000*	1000*
			690V- AC23A	17	33	33	33	-	-	-	-	250	350	350	350	-	-
Rated operational current (DC) (/poles in series)	I_e	A	Up to 48V- DC21A	32/1	63/1	63/1	80/1	-	-	-	-	250/2	400/2	630/1	800/1	1000/1	1250/1
			220V- DC21A	32/3	63/4	1/1	80/4	-	-	-	-	250/2	400/2	630/2	800/2	1000/3	1250/3
			Up to 48V- DC22A	-	-	-	-	-	-	-	-	250/2	400/1	630/1	800/1	-	-
			220V- DC22A	-	-	-	-	-	-	-	-	250/2	400/2	630/2	800/2	-	-
			Up to 48V- DC23A	-	-	-	-	-	-	-	-	250/2	400/1	630/1	800/1	-	-
			220V- DC23A	-	-	-	-	-	-	-	-	250/2	400/2	630/2	630/2	-	-
Rated operational power	P_e	kW	400/415V- AC23A	15	25	25	30	59	63	75	75	132	200	315	355	400	500
			690V- AC23A	15	30	30	30	51	55	55	55	200	315	355	355	-	-
Short circuit making capacity	I_{cm}	kA	Peak value	1.4	2.9	2.9	3.0	3.7	4.0	5.0	5.0	35	65	80	80	105	105
Short circuit withstand (1sec)	I_{cw}	kA	rms value	0.6	1.3	1.3	1.4	2.6	2.8	3.0	3.0	8	17	17	17	50	50
Min. mechanical endurance		-	Operations (10^3)	250	250	500	250	50	50	50	50	16	10	10	10	6	6
Min. electrical endurance		-	415V- at 0.65 pf	-	-	-	-	-	-	-	-	1,000	1,000	500	500	500	500
Connecting capacity		-	Terminal type														
		mm^2	Min/Max	2.5 / 10	2.5 / 25	2.5 / 25	2.5 / 25	-/50	-/70	-/70	-/95	120	2 x 150	2 x 185	2 x 240	2 x 300	3 x 300
		mm	Stud/Cu palm width	-	-	-	-	-	-	-	8 x 25	10 x 30	10 x 30	12 x 40	12 x 40	12 x 60	12 x 60
		Nm	Tightening torque	1.2	1.2	1.2	1.2	5	5	5	10	30	30	50	50	50	50

CRAIG & DERRICOTT
www.craigandderricott.com
Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

CDPD101
Issue 10

Technical Specification

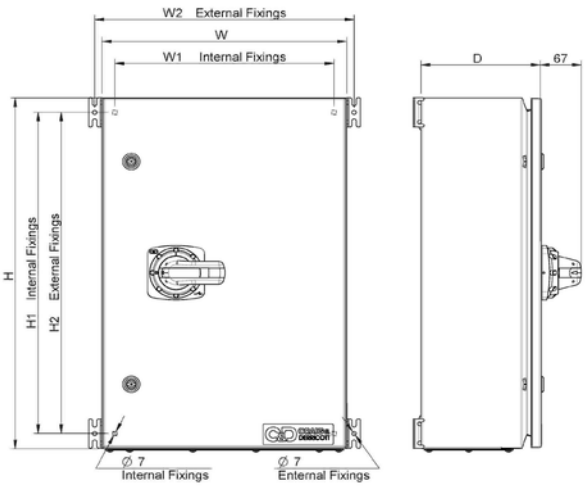
Data supplied against tests to IEC/BS EN 60947-3

Fuse Combination Units (O-I)														
Application	Sym	Unit	Category	32	63	100	125	160	200	250	315	400	630	800
Rated thermal current	I_{the}	A		32	63	100	125	160	200	250	315	400	630	800
Rated insulation voltage	U_i	V		750	750	750	750	750	1000	1000	1000	1000	1000	1000
Rated impulse voltage	U_{imp}	kV		12	12	12	12	12	12	12	12	12	12	12
Rated operational current AC	I_e	A	415V- AC23A	32	63	100	125	160	200	250	315	400	630	720
Rated operational current DC	I_e	A	220V- DC23A	-	-	100/4	100/4	100/4	200/3	250/3	315/3	400/3	630/3	800/3
Rated making capacity (AC23A)		A	415V, 0.35 pf	320	630	1,000	1,250	1,600	2,000	2,500	3,150	4,000	6,300	8,000
Rated breaking capacity (AC23A)		A	415V, 0.35 pf	256	504	800	1,000	1,280	1,600	2,000	2,520	3,200	5,040	5,760
Rated Conditional (Fused) short circuit	kA	kA	S/C current rms	80	80	80	80	80	80	80	80	80	80	80
	A	A	back-up fuse gG	32	63	100	125	160	200	250	315	400	630	800
Min. mechanical endurance		-	Operations	25000	25000	15000	15000	15000	10000	10000	10000	10000	10000	10000
Min. electrical endurance		-	415V- at 0.65 pf	1,500	1,500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
BS fuse format				A2	A2	A4	A4	B1, B2	B1, B2	B1, B2	B1, B4	B1, B4	C1, C3	C1, C3
Connecting capacity		-	Terminal type											
		mm^2	Min/Max	16	25	95	95	120	150	185	240	300	400	400
		mm	Stud/Cu palm width	-	-	8x20	8x20	8x20	10x25	10x25	10x25	10x25	12x50	12x50
		Nm	Tightening torque	2.5	2.5	10	10	10	30	30	30	30	50	50

Changeover Switch-Disconnectors (I-O-II)											
Application	Sym	Unit	Category	63	100	125	160	200	250	400	630
Rated thermal current	I_{the}	A		63	100	125	160	200	250	400	630
Rated insulation voltage	U_i	V		750	750	1000	1000	1000	1000	1000	1000
Rated impulse voltage	U_{imp}	kV		6	6	6	6	6	12	12	12
Rated operational current	I_e	A	415V- AC22A	63	100	125	160	200	250	400	630
Rated making capacity (AC23A)		A	415V, 0.35 pf	630	630	1,250	1,600	2,000	2,500	4,000	6,300
Rated breaking capacity (AC23A)		A	415V, 0.35 pf	504	504	1,000	1,280	1,600	2,000	3,200	5,040
Short circuit current		kA	rms (with fuses)	80	80	80	80	80	100	100	80
Rated S/C making capacity		kA	Peak	15	15	20	20	20	30	40	50
Min. mechanical endurance		-	Operations	20,000	20,000	10,000	10,000	10,000	10,000	10,000	10,000
Min. electrical endurance		-	415V- at 0.65 pf	2,500	1,500	1,000	1,000	1,000	1,000	1,000	500
Connecting capacity		-	Terminal type								
		mm^2	Max	35	35	95	95	95	240	300	400
		mm	Stud/Cu palm width	6/12	6/12	8/22	8/22	8/22	10/25	10/25	12/50
		Nm	Tightening torque	3	3	10	10	10	30	30	50

CRAIG & DERRICOTT
www.craigandderricott.com
Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

Dimensions



Encl.	H	W	D	H1	H2	W1	W2
1	300	300	150	248	248	258	324
2	300	300	200	248	248	258	324
3	400	300	150	348	348	258	324
4	400	300	200	348	348	258	324
5	400	400	200	348	348	358	424
6	500	400	200	448	448	358	424
7	600	400	200	548	548	358	424
8	600	400	300	548	548	358	424
9	600	500	200	548	548	458	524
10	700	500	300	648	648	458	524
11	800	600	200	748	748	558	624
12	800	600	300	748	748	558	624
13	1000	600	300	948	948	558	624
14	1000	800	300	948	948	758	824
15	1200	800	300	1148	1148	758	824

Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

Technical Data Sheet

EDS Stainless Steel Hinged Door Switchgear

CDPD151
Issue 3

Stainless Steel Hinged Door Switchgear

A range of 'hinged door' grade 304 stainless steel isolation equipment. Supplied in IP65 generously sized boxes which helps to avoid the need for extension boxes. All enclosures have the switches mounted on a removable galvanised chassis plate. All units are provided with removable bottom only gland plates. The range has a padlockable handle which allows for the insertion of up to three padlocks in the "Off" position. The hinged door cannot be opened in the ON position or when the hand is padlocked in the OFF position. For padlocking in both 'Off' and 'On' positions, add '/10' to the catalogue no. e.g. EDS00323N/10. The door interlock handle can be defeated to enable emergency opening or for testing purposes (100A and above).

Both light grey (RAL 7035) and red (RAL 3020) painted Sheet Steel enclosures are available on request. Contact our sales team on 01543 375 541 for further information. Compliant to IEC / BS EN 60947-3.

'N' = switched neutral | 'NL' = Unswitched neutral (100% rated 32A-200A, 50% rated 250A-1250A) | 'EB = Early break auxiliary contacts

Switch-Disconnectors (O-I)						
Image	Rating	Format	Cat. No.	Encl. Size	Encl. Material	IP Rating
	32A	3P+N	EDS00323N	1	Stainless Steel	IP65
		3P+NL	EDS00323NL			
	63A	3P+N	EDS00633N	1	Stainless Steel	IP65
		3P+NL	EDS00633NL			
		6P	EDS00636			
		6P+2EB Aux	EDS00636EB			
	80A	3P+N	EDS00803N	1	Stainless Steel	IP65
		3P+NL	EDS00803NL			
		6P	EDS00806			
	100A	3P+N	EDS01003N	1	Stainless Steel	IP65
		3P+NL	EDS01003NL			
		6P	EDS01006	5		
	125A	3P+N	EDS01253N	3	Stainless Steel	IP65
		3P+NL	EDS01253NL			
		6P	EDS01256	5		
	160A	3P+N	EDS01603N	3	Stainless Steel	IP65
		3P+NL	EDS01603NL			
		6P	EDS01606	5		
	200A	3P+N	EDS02003N	7	Stainless Steel	IP65
		3P+NL	EDS02003NL			
	250A	3P+N	EDS02503N	9	Stainless Steel	IP65
		3P+NL	EDS02503NL			
	400A	3P+N	EDS04003N	11	Stainless Steel	IP65
		3P+NL	EDS04003NL			
	630A	3P+N	EDS06303N	13	Stainless Steel	IP65
		3P+NL	EDS06303NL			
	800A	3P+N	EDS08003N	13	Stainless Steel	IP65
		3P+NL	EDS08003NL			
	1000A	3P+N	EDS10003N	14	Stainless Steel	IP65
		3P+NL	EDS10003NL			
	1250A	3P+N	EDS12503N	15	Stainless Steel	IP65
		3P+NL	EDS12503NL			
Changeover Switch-Disconnectors (I-O-II)						
	63A	4P	ECODS00634	4	Stainless Steel	IP65
	100A	4P	ECODS01004	4	Stainless Steel	IP65
	125A	4P	ECODS01254	8	Stainless Steel	IP65
	160A	4P	ECODS01604	8	Stainless Steel	IP65
	200A	4P	ECODS02004	8	Stainless Steel	IP65
	250A	4P	ECODS02504	10	Stainless Steel	IP65
	400A	4P	ECODS04004	13	Stainless Steel	IP65
	630A	4P	ECODS06304	13	Stainless Steel	IP65

CRAIG & DERRICOTT

www.craigandderricott.com

Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

EDS Stainless Steel Hinged Door Switchgear

Fuse Combination Units (O-I)						
Image	Rating	Format	Cat. No.	Encl. Size	Encl. Material	IP Rating
	32A	3P+NL	EDFS00323NL	2	Stainless Steel	IP65
	63A	3P+NL	EDFS00633NL	2	Stainless Steel	IP65
	100A	3P+NL	EDFS01003NL	6	Stainless Steel	IP65
	125A	3P+NL	EDFS01253NL	6	Stainless Steel	IP65
	160A	3P+NL	EDFS01603NL	6	Stainless Steel	IP65
	200A	3P+NL	EDFS02003NL	8	Stainless Steel	IP65
	250A	3P+NL	EDFS02503NL	8	Stainless Steel	IP65
	315A	3P+NL	EDFS03153NL	12	Stainless Steel	IP65
	400A	3P+NL	EDFS04003NL	12	Stainless Steel	IP65
	630A	3P+NL	EDFS06303NL	13	Stainless Steel	IP65
	800A	3P+NL	EDFS08003NL	13	Stainless Steel	IP65

Hinged Door Accessories

Add-on auxiliary blocks are available for all hinged door products. All auxiliaries are supplied as 1 N/O+1 N/C pair. All N/O auxiliary contacts are early break with respect to the main poles when switching from 'On' to 'Off'.

All of the Fuse Combination Units are supplied fitted with a set of fully rated IEC/BS EN 60269 (BS88) fuse links. Replacements can be supplied as individual fuse links and can be fitted to a lower rating to suit a particular load: please refer to the rating table below to maintain the correct size/tag format.

Terminal protection is provided on all items for live incoming terminals; spare terminal covers are available for replacement or extending the protection to the outgoing terminals. (Not available for 800A- 1250A switch-disconnectors.)

Auxiliary Contacts		
Image	Description	Cat. No.
 A B C	Auxiliary Contact for 32A- 200A Switch-Disconnectors (Type A)	SAUXCO
	Auxiliary Contact for 63A- 160A Fuse Combination (Type B)	SAUXKITA
	Auxiliary Contact for 250A Switch-Disconnectors (Type C)	SAUXKITB
	Auxiliary Contact for 400A- 800A Switch-Disconnectors & 200A- 400A Fuse Combination (Type C)	SAUXKITC
	Auxiliary Contact for 1000A Switch-Disconnectors & 630A Fuse Combination Units (Type D)	SAUXKITD
Fuse Links		
	32A Fuse Link. BS Fuse format A2, A3. Fuse Fixing CRS (mm) 73 nom.	SFL32
	63A Fuse Link. BS Fuse format A2, A3. Fuse Fixing CRS (mm) 73 nom.	SFL63
	100A Fuse Link. BS Fuse format A4. Fuse Fixing CRS (mm) 94 nom.	SFL100
	125A Fuse Link. BS Fuse format A4. Fuse Fixing CRS (mm) 94 nom.	SFL125
	160A Fuse Link. BS Fuse format B1, B2. Fuse Fixing CRS (mm) 111 nom.	SFL160
	200A Fuse Link. BS Fuse format B1-B2. Fuse Fixing CRS (mm) 111 nom.	SFL200
	250A Fuse Link. BS Fuse format B1-B2. Fuse Fixing CRS (mm) 111 nom.	SFL250
	315A Fuse Link. BS Fuse format B1-B4. Fuse Fixing CRS (mm) 111 nom.	SFL315
	400A Fuse Link. BS Fuse format B1-B4. Fuse Fixing CRS (mm) 111 nom.	SFL400
	630A Fuse Link. BS Fuse format C1-C3. Fuse Fixing CRS (mm) 133/184 nom.	SFL630
Terminal Covers		
	Individual Terminal Cover for 200A Switch-Disconnectors & Fuse Combination (M8 Stud)	STS1
	Individual Terminal Cover for 250A- 400A Switch-Disconnectors & Fuse Combination (M10 Stud)	STS2
	Individual Terminal Cover for 630A Fuse Combination (M12 Stud)	STS3
	Set of 4 Terminal Covers for 630A Switch-Disconnectors (M12 Stud)	STS4

www.craigandderricott.com

Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

CDPD151
Issue 3

Technical Specification

Data supplied against tests to IEC/BS EN 60947-3. * All AC21, AC22 & AC23 tests carried out at 415V

Switch-Disconnectors (O-I)																	
Application	Sym	Unit	Category	32	63		80	100	125	160	200	250	400	630	800	1000	1250
				3P	3P	6P	3P	3P	3P	3P	3P	3P	3P	3P	3P	3P	3P
Rated thermal current	I_{the}	A		32	63	63	80	100	125	160	200	250	400	630	720	1000	1250
Rated insulation voltage	U_i	V		690	690	690	690	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse voltage	U_{imp}	kV		6	6	6	6	8	8	8	8	12	12	12	12	8	8
Rated operational current (AC)	I_e	A	400V- AC21A	32	63	63	80	100	125	160	200	250*	400*	630*	800*	1000*	1250*
			690V- AC21A	32	63	63	80	100	125	160	200	250	400	630	800	1000	1250
			400V- AC22A	-	-	-	-	100	125	160	200	250*	400*	630*	800*	1000*	1250*
			690V- AC22A	-	-	-	-	100	125	160	160	250	400	630	800	-	-
			400V- AC23A	29	48	48	56	105	111	132	132	250*	400*	630*	720*	1000*	1000*
			690V- AC23A	17	33	33	33	-	-	-	-	250	350	350	350	-	-
Rated operational current (DC) (/poles in series)	I_e	A	Up to 48V- DC21A	32/1	63/1	63/1	80/1	-	-	-	-	250/2	400/2	630/1	800/1	1000/1	1250/1
			220V- DC21A	32/3	63/4	1/1	80/4	-	-	-	-	250/2	400/2	630/2	800/2	1000/3	1250/3
			Up to 48V- DC22A	-	-	-	-	-	-	-	-	250/2	400/1	630/1	800/1	-	-
			220V- DC22A	-	-	-	-	-	-	-	-	250/2	400/2	630/2	800/2	-	-
			Up to 48V- DC23A	-	-	-	-	-	-	-	-	250/2	400/1	630/1	800/1	-	-
			220V- DC23A	-	-	-	-	-	-	-	-	250/2	400/2	630/2	630/2	-	-
Rated operational power	P_e	kW	400/415V- AC23A	15	25	25	30	59	63	75	75	132	200	315	355	400	500
			690V- AC23A	15	30	30	30	51	55	55	55	200	315	355	355	-	-
Short circuit making capacity	I_{cm}	kA	Peak value	1.4	2.9	2.9	3.0	3.7	4.0	5.0	5.0	35	65	80	80	105	105
Short circuit withstand (1sec)	I_{cw}	kA	rms value	0.6	1.3	1.3	1.4	2.6	2.8	3.0	3.0	8	17	17	17	50	50
Min. mechanical endurance		-	Operations (10^3)	250	250	500	250	50	50	50	50	16	10	10	10	6	6
Min. electrical endurance		-	415V- at 0.65 pf	-	-	-	-	-	-	-	-	1,000	1,000	500	500	500	500
Connecting capacity		-	Terminal type														
		mm²	Min/Max	2.5 / 10	2.5 / 25	2.5 / 25	2.5 / 25	-/50	-/70	-/70	-/95	120	2 x 150	2 x 185	2 x 240	2 x 300	3 x 300
		mm	Stud/Cu palm width	-	-	-	-	-	-	-	8 x 25	10 x 30	10 x 30	12 x 40	12 x 40	12 x 60	12 x 60
		Nm	Tightening torque	1.2	1.2	1.2	1.2	5	5	5	10	30	30	50	50	50	50

CRAIG & DERRICOTT
www.craigandderricott.com
Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

CDPD151
Issue 3

Technical Specification

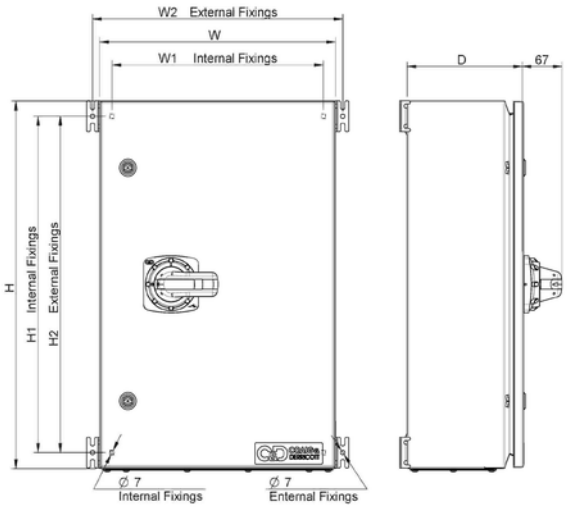
Data supplied against tests to IEC/BS EN 60947-3

Fuse Combination Units (O-I)														
Application	Sym	Unit	Category	32	63	100	125	160	200	250	315	400	630	800
Rated thermal current	I_{the}	A		32	63	100	125	160	200	250	315	400	630	800
Rated insulation voltage	U_i	V		750	750	750	750	750	1000	1000	1000	1000	1000	1000
Rated impulse voltage	U_{imp}	kV		12	12	12	12	12	12	12	12	12	12	12
Rated operational current AC	I_e	A	415V- AC23A	32	63	100	125	160	200	250	315	400	630	720
Rated operational current DC	I_e	A	220V- DC23A	-	-	100/4	100/4	100/4	200/3	250/3	315/3	400/3	630/3	800/3
Rated making capacity (AC23A)		A	415V, 0.35 pf	320	630	1,000	1,250	1,600	2,000	2,500	3,150	4,000	6,300	8,000
Rated breaking capacity (AC23A)		A	415V, 0.35 pf	256	504	800	1,000	1,280	1,600	2,000	2,520	3,200	5,040	5,760
Rated Conditional (Fused) short circuit	kA	kA	S/C current rms	80	80	80	80	80	80	80	80	80	80	80
	A	A	back-up fuse gG	32	63	100	125	160	200	250	315	400	630	800
Min. mechanical endurance		-	Operations	25000	25000	15000	15000	15000	10000	10000	10000	10000	10000	10000
Min. electrical endurance		-	415V- at 0.65 pf	1,500	1,500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
BS fuse format				A2	A2	A4	A4	B1, B2	B1, B2	B1, B2	B1, B4	B1, B4	C1, C3	C1, C3
Connecting capacity		-	Terminal type											
		mm^2	Min/Max	16	25	95	95	120	150	185	240	300	400	400
		mm	Stud/Cu palm width	-	-	8x20	8x20	8x20	10x25	10x25	10x25	10x25	12x50	12x50
		Nm	Tightening torque	2.5	2.5	10	10	10	30	30	30	30	50	50

Changeover Switch-Disconnectors (I-O-II)											
Application	Sym	Unit	Category	63	100	125	160	200	250	400	630
Rated thermal current	I_{the}	A		63	100	125	160	200	250	400	630
Rated insulation voltage	U_i	V		750	750	1000	1000	1000	1000	1000	1000
Rated impulse voltage	U_{imp}	kV		6	6	6	6	6	12	12	12
Rated operational current	I_e	A	415V- AC22A	63	100	125	160	200	250	400	630
Rated making capacity (AC23A)		A	415V, 0.35 pf	630	630	1,250	1,600	2,000	2,500	4,000	6,300
Rated breaking capacity (AC23A)		A	415V, 0.35 pf	504	504	1,000	1,280	1,600	2,000	3,200	5,040
Short circuit current		kA	rms (with fuses)	80	80	80	80	80	100	100	80
Rated S/C making capacity		kA	Peak	15	15	20	20	20	30	40	50
Min. mechanical endurance		-	Operations	20,000	20,000	10,000	10,000	10,000	10,000	10,000	10,000
Min. electrical endurance		-	415V- at 0.65 pf	2,500	1,500	1,000	1,000	1,000	1,000	1,000	500
Connecting capacity		-	Terminal type								
		mm^2	Max	35	35	95	95	95	240	300	400
		mm	Stud/Cu palm width	6/12	6/12	8/22	8/22	8/22	10/25	10/25	12/50
		Nm	Tightening torque	3	3	10	10	10	30	30	50

CRAIG & DERRICOTT
www.craigandderricott.com
Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com

Dimensions



Encl.	H	W	D	H1	H2	W1	W2
1	300	300	150	248	248	258	324
2	300	300	200	248	248	258	324
3	400	300	150	348	348	258	324
4	400	300	200	348	348	258	324
5	400	400	200	348	348	358	424
6	500	400	200	448	448	358	424
7	600	400	200	548	548	358	424
8	600	400	300	548	548	358	424
9	600	600	200	548	548	558	624
10	700	500	300	648	648	458	524
11	800	600	200	748	748	558	624
12	800	600	300	748	748	558	624
13	1000	600	300	948	948	558	624
14	1000	800	300	948	948	758	824
15	1200	800	300	1148	1148	758	824

Craig & Derricott Ltd
Hall Lane, Walsall Wood,
Walsall, West Midlands WS9 9DP
t: +44(0)1543 375541 f: +44(0)1543 361619
e: sales@craigandderricott.com