

CDQ1s PC Level Automatic Transfer Switch

Selection Guide



Product Name	Frame Level	Rated Working Current	Pole	Controller Type	Wiring Method
CDQ1s	100	016	4	B	缺省
	100: 100AF 160: 160AF 250: 250AF 630: 630AF 16X: 1600AF 32X: 3200AF	016: 16A 630: 630A 12X: 1250A 32X: 3200A	2: 2P 3: 3P 4: 4P	缺省: Basic B: Digital Pipe Display	缺省: Up Incoming D: Bottom Incoming

Note: Optional 2-pole product below 250AF only

Frame Level	Rated Working Current	2P	3P	4P
		Order No	Order No	Order No
100AF	16A	CDQ1S1000162	CDQ1S1000163	CDQ1S1000164

	100A	CDQ1S1001002	CDQ1S1001003	CDQ1S1001004
160AF	100A	CDQ1S1001002D	CDQ1S1001003D	CDQ1S1001004D
	100A	CDQ1S1601002	CDQ1S1601003	CDQ1S1601004

250AF	160A	CDQ1S1601602	CDQ1S1601603	CDQ1S1601604

	160A	CDQ1S2501602	CDQ1S2501603	CDQ1S2501604
630AF	250A	CDQ1S2502502	CDQ1S2502503	CDQ1S2502504

	315A	-	CDQ1S6303153	CDQ1S6303154
1600AF	...	-
	630A	-	CDQ1S6306303	CDQ1S6306304
	630A	-	CDQ1S16X6303	CDQ1S16X6304
3200AF	...	-
	1600A	-	CDQ1S16X16X3	CDQ1S16X16X4
	2000A	-	CDQ1S32X20X3	CDQ1S32X20X4
3200AF	...	-
	3200A	-	CDQ1S32X32X3	CDQ1S32X32X4

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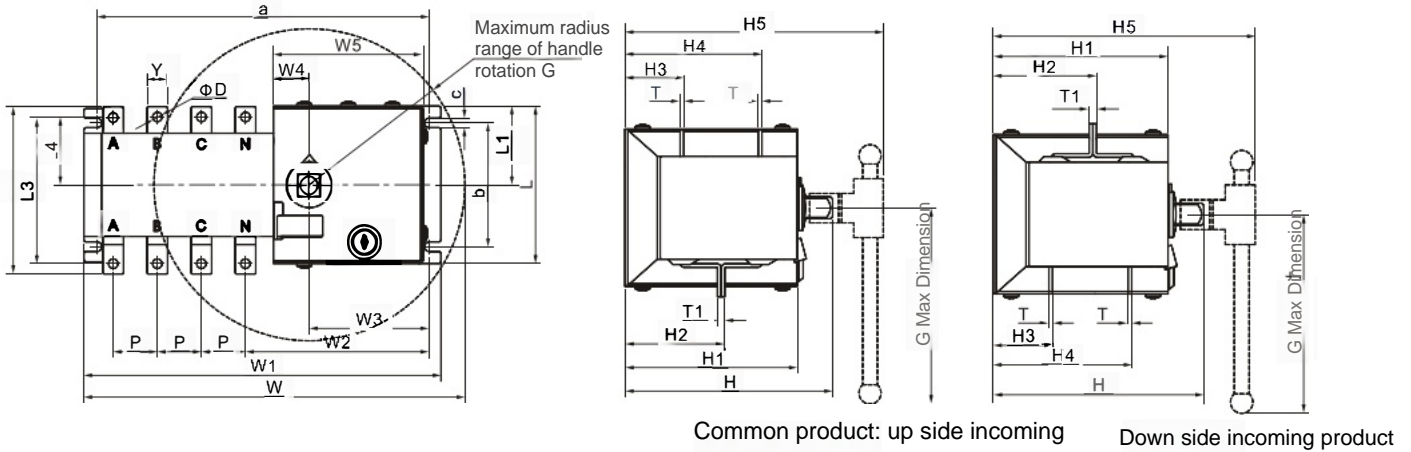
Model	CDQ1s-100	CDQ1s-160	CDQ1s-250	CDQ1s-630	CDQ1s-1600	CDQ1s-3200
Pole	2、3、4			3、4		
Standard	GB/T 14048.11					
Electric Level	PC Level					
Using Type	AC-33iB					
Structure	Unitary					
Electrical Characteristic						
Rated Insulation Voltage Ui(V)	690			1000		
Rated Impulse Voltage Uimp(kV)	8			12		
Rated Working Voltage Ue(V)	AC230/400			AC400		
Rated Working Current Ie(A)	16/20/25/32/40/50 /63/80/100	100/125/140/160	160/180/200 /225/250	315/400/500/630	630/700/800 /1000/1250/1600	2000/2500/3200
Rated making and breaking capacity(A)	6Ie					
Rated Working Frequency(Hz)	50					
Icw (kA)	5	10	12.6	32	50	50
Icm (kA)	7.65	17	32	67.2	105	105
Mechanical Life	4500	5000	5000	3000	3000	2000
Electrical Life	1500	1000	1000	1000	500	500
Transfer Time	1.6s ± 10%	0.1s~1s	0.1s~1s	0.1s~1s	2s ± 10%	1.65s ± 10%
Dimension(mm)						
2P Outline Size(WxHxD)	255 × 118 × 170	320x140x225	370 × 177 × 245	-	-	-
2P Installation Hole (WxH)	215x84	245 × 104	292x106	-	-	-
3POutline Size(WxHxD)	255 × 118 × 170	320x140x225	370 × 177 × 245	520x252x300	785x368x375	785x440x560
3P Installation Hole (WxH)	215x84	245 × 104	292x106	350x180	496x220	496x220
4POutline Size(WxHxD)	270 × 114 × 170	348x147x225	415 × 170 × 225	580x252x300	1080x368x375	1080x440x560
4P Installation Hole (WxH)	226x84	284x102	347x102	410x180	610x220	610x220
Product Phase Distance	30	36	50	65	120	120

-No such item Standard Optional (if required, please specify when ordering)

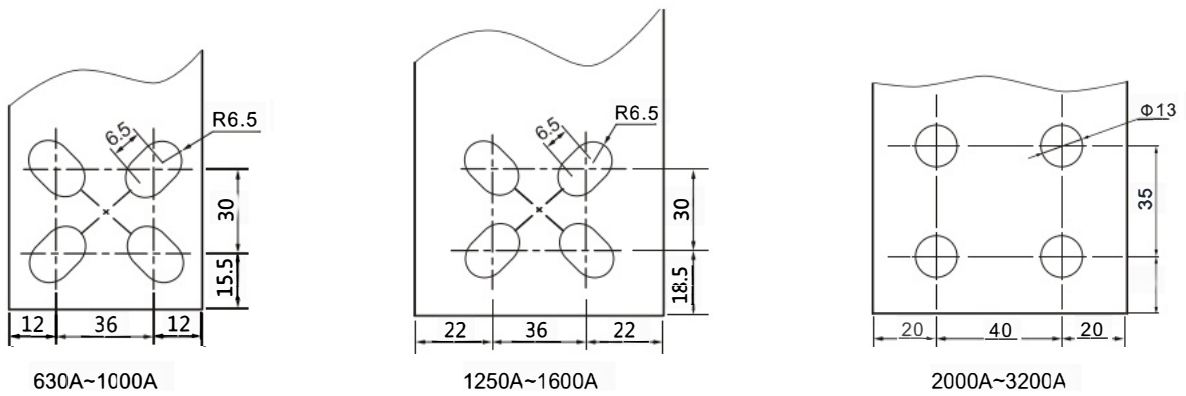
Controller Function	A (Baics Type)	B (Digital Pipe Display)
Display	-	LED Digital Pipe
Handle Manual Operation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic operation mode - self feed self recovery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic operation mode - self casting not self recovery	-	<input checked="" type="checkbox"/>
Power Grid(P)-Power Grid(P)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Power Grid(P)-Dynamo(G)	-	<input checked="" type="checkbox"/>
Common power supply out of phase monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Common power supply voltage loss monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Backup power outage monitoring	-	<input checked="" type="checkbox"/>
Backup power voltage loss monitoring	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fire protection linkage (double fire protection)	<input checked="" type="checkbox"/> (No source signal)	<input checked="" type="checkbox"/> (DC24Vsignal)
Fire feedback	-	<input checked="" type="checkbox"/> (No source signal)
The conversion delay is adjustable	-	<input checked="" type="checkbox"/>
The return delay is adjustable	-	<input checked="" type="checkbox"/>
Normal and standby power status output	<input checked="" type="checkbox"/> (100AF No)	<input checked="" type="checkbox"/>
Normal and standby power off state output	<input checked="" type="checkbox"/> (100AF No)	<input checked="" type="checkbox"/>
Output in overvoltage and undervoltage state	-	<input checked="" type="checkbox"/>
Remote control	<input checked="" type="checkbox"/> (100AF No)	-
Remote communication (RS485communication)	-	<input type="checkbox"/>
Down in, up out	<input type="checkbox"/>	<input type="checkbox"/>
Fuse wire	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Installation and Outline Dimension



Partial Diagram



Unit: mm

Specification	Installation Dimension																										
	a	b	c	W	W1	W2	W3	W4	W5	P	Y	ΦD	L	L1	L2	L3	L4	H	H1	H2	H3	H4	H5	T	T1	G	
CDQ1s-100/3P/2P	215	83	6.5	255	233	124	82	24.5	102	30	13	7	107	53.5	118	103	45	141	117	40	40	93	170	2.5	2.5	115	
CDQ1s-100/4F	230			270	243						14				116	99.5	43			68					5		
CDQ1s-160/3P/2P	245	102		320	265	160	91	30.5	110		37	20	8.5	140	76.5	142	122	53	195	164	59	57	130	230	3.5	3.5	144
CDQ1s-160/4P	284			348	305	156.5		34	115					77	147	126	60			55	58						
CDQ1s-250/3P/2F	292	106	7	362	312	165	94	32	110		50	25	10	140	76.5	176	148	70	210	180.5	64	65	146	224.5	3.5	3.5	144
CDQ1s-250/4P	347	102		412	370		91	35	115					77	164	140	65	195	163	57	57	130	225				
CDQ1s-630/3F	350	180		525	375	186	88.5	45	124	65	40	12	218	109	262	232	106	268	237	83	83	193	287	6	6	250	
CDQ1s-630/4P	410		9	590	435	180																					
CDQ1S-1600 630A-1000A/3F	496			780	520	190					60				350						108	250		8	8	360	
1250A/3P											80				370	/					109	251	365	10	10		
1600A/3P		220	11				84.5	44	123	120			250	125				325	293	255				8	8		
630A-1000A/4P											60				350						108	250					
1250A/4P				1080	635	188					80				370						109	251		10	10	540	
1600A/4F															370									10	10		
CDQ1S-3200 2000A/3F	495	219		785	540	202	87								420					80/435	80/200	315/435		10	10	540	
2500A/3P															430			505	473	85/440	85/205	320/440		15	15		
3200A/3P			11					44	120	120	80		248	100	440	/	/			90/445	90/210	325/445	560	20	20		
2000A/4P															420					80/435	80/200	315/435		10	10		
2500A/4P	610	219		1080	640	202	87								430			505	473	85/440	85/205	320/440		15	15	540	
3200A/4P															440					90/445	90/210	325/445		20	20		

--See Partial Diagram