

Catalogue number: **CSSD□□□NM3**

Switch Disconnectors NM Type: 415V 3 Pole



415V 3 Pole Switch Disconnectors

- Rated Voltage: 415V
- Safe Isolation of main circuit
- Suitable for Motor & Capacitor Applications
- Rotary Construction (with Handle)
- Design and tested in accordance with IEC 60947-3
- Compliances: ISO 9001

Rated Current*	Part Number
125A	CSSD125NM3
160A	CSSD160NM3
200A	CSSD200NM3
250A	CSSD250NM3
315A	CSSD315NM3
400A	CSSD400NM3

*Some items may be on indent

Common Characteristics		
Conformity to Standards		IS/IEC 60947-3
Rated Operational Voltage (Ue)	V	415
Rated Operational Frequency	Hz	50 / 60
Suitability for Isolation		YES
Pollution Degree as per IEC / IS		3
Ambient / Cubicle Service Temp.	°C	40
Number of Poles		3P*

*Other Pole configuration available on request



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NM Type: 3P 125A-400A

Parameters			NMType							
			125A	160A	200A	250A	315A	400A		
Number of Poles			3	3	3	3	3	3		
Rated insulation voltage and rated operational voltage AC20 / DC20 (Ui)			V	1000	1000	1000	1000	1000		
Dielectric strength	50HZ, 1 min.	kV	5	5	5	5	5	5		
Rated impulse withstand voltage (Uimp)		kV	8	8	8	8	12	12		
Rated thermal current in ambient 40°C	Open Execution	A	125	160	200	250	315	400		
	In Enclosure	A	125	160	200	250	315	400		
With minimum conductor cross section		Cu	sqmm	50	70	95	120	185	240	
Rated operational current, AC-21A		up to 415V	A	125	160	200	250	315	400	
Rated operational current, AC- 22A		up to 415V	A	125	160	200	250	315	400	
Rated operational current, AC -23A		up to 415V	A	125	160	200	250	315	400	
Rated operational current / poles in series, DC - 21A	up to 48V	A	125/2	160/2	200/2	250/2	315/1	400/1		
	110V	A	125/2	160/2	200/2	250/2	315/1	400/1		
	220V	A	125/3	160/3	200/3	250/3	315/1	400/1		
Rated operational current / poles in series, DC - 22A	up to 48V	A	125/2	160/2	200/2	250/2	315/1	400/1		
	110V	A	125/3	160/3	200/2	250/2	315/1	400/1		
	220V	A	125/3	160/3	200/2	250/2	315/2	400/2		
Rated operational power, AC - 23A	The kW- ratings are accurate for 3 phase 1500 R.P.M. standard asynchronous motors.	220-240V	kW	30	45	55	75	90	132	
		400-415V	kW	55	75	90	132	160	200	
Rated breaking capacity, AC -23A		up to 415V	A	1000	1280	1600	2000	2520	3200	
Rated conditional (fused) short-circuit current r.m.s. and corresponding cut-off current of the fuse in single-phase test according IEC 269	Cut-off / Back up fuse Rating	50kA,415V	kA	13/125	18/160	25/200	27/250	32/315	36/400	
		80kA,500V	kA	15/125	20/160	28/200	30/250	32/315	42/400	
Rated short-time withstand current	R.M.S. Value Icw	690V, 1s	kA	7	7	7	7	8	8	
Rated short circuit making capacity	Peak value Icm	690V/500V	kA	12	12	12	12	14	14	
Rated capacitor power		The capacitor ratings are limited by the fuse link	400V~415V	kvar	50	60	90	110	140	180
Power loss / pole		At rated operational current	watt	1.7	3	4.6	7.2	10	15	
Mechanical Endurance		Divide by two for operation cycles	operations	20000	20000	20000	20000	20000	20000	
Electrical Endurance		At 0.65 pf	415V	operations	2000	2000	2000	2000	2000	
Weight without accessories		with handle and shaft	3- Pole	kg	1.4	1.4	1.5	1.9	2.2	2.3
Terminal suitable for cable lug size		Cu- wire suitable for terminal clamp	sqmm	M8x25	M8x25	M8x25	M10x30	M10x30	M10x30	
Terminal tightening torque		Counter torque required	Nm	10...17	10...17	10...17	15...27	15...27	15...27	
Operating torque		3- pole switch - disconnector	Nm	5	5	5	6	12	12	



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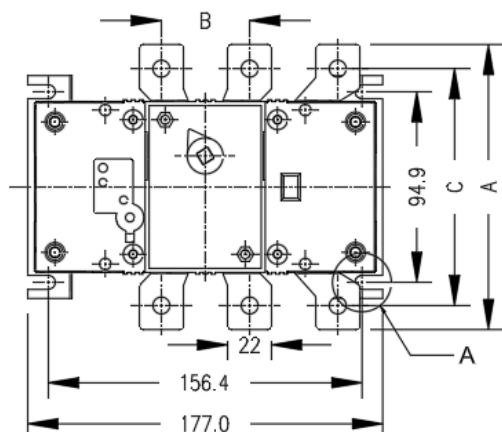
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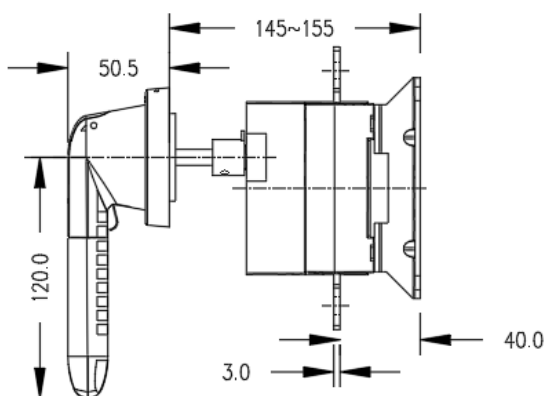
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Dimensions

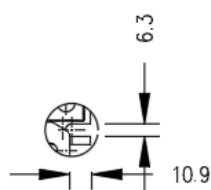
CSSD125~250NM3



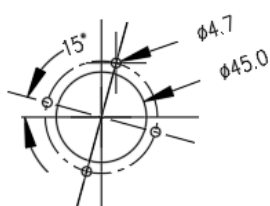
FRONT VIEW



SIDE VIEW



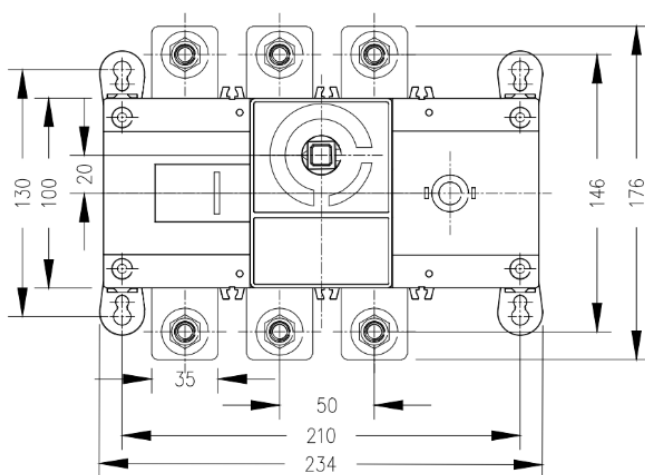
DETAIL-A



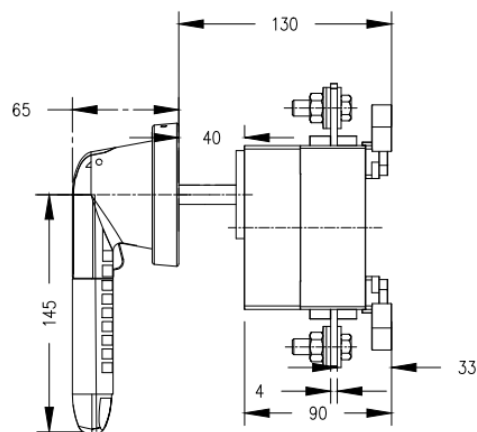
HANDLE MOUNTING DETAIL

RATING	A	B	C
125-200A	142	144	118
250A	160	49	135

CSSD315~400NM3



FRONT VIEW



SIDE VIEW

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