

# DC Switch-disconnector - Technical datasheet

Dumeco - DDC-63A to DDC-1250A



Powering Business Worldwide

Type#	DDC-0			DDC-1			DDC-2			DDC-3				
General	63A	80A	100A	125A	160A	200A	250A	400A	630A	800A	1000A	1250A		
Free-air thermal current Ith	A	63	80	100	125	160	200	250	400	630	800	1000	1250	
Enclosed thermal current Ithe	35°C	A	63	80	100	125	160	200	250	400	630	800	1000	1250
	50°C	A	63	80	100	125	160	200	250	400	560	800	1000	1200
	65°C	A	63	80	100	125	160	200	250	380	480	700	900	1000
Pole Configuration		2P			2P			2P			2P			
Standards		IEC 60947-3			IEC 60947-3			IEC 60947-3			IEC 60947-3			
Approvals		CE, RoHs, EAC, CCC			CE, RoHs, EAC, CCC			CE, RoHs, EAC, CCC			CE, RoHs, EAC, CCC			
Rated operational voltage	Ue	Vdc	1000			1000			1000			1000		
Pollution Degree   Protection Class			III/3   IP20			III/3   IP20			III/3   IP20			III/3   IP20		
Rated insulation voltage per pole	Ui	Vdc	1100			1200			1200			1200		
Rated impulse withstand voltage	Uimp	kV	8			8			12			12		
Permissible Altitude   w/o derating (max)			2000 Meter			2000 Meter			2000 Meter			2000 Meter		
Storage temperature (min/max)			-40°C...+80°C			-40°C...+80°C			-40°C...+80°C			-40°C...+80°C		
<b>IEC Contact rating</b>														
Rated operational current Ie (DC-21B)	Ue=480V	A	63	80	100	125	160	200	250	400	630	800	1000	1250
	Ue=600V	A	63	80	100	125	160	200	250	400	630	800	1000	1250
	Ue=1000V	A	63	80	100	125	160	200	250	400	630	800	1000	1250
Switching category		B			B			B			B			
<b>Product characteristics</b>														
Rated short-time withstand current	Icw (1sec.)	kAs	3			4			15			25		
Rated short circuit making capacity	Icm	kA	4,3			6			25			54,5		
Power dissipation per contact at Ith		W	3	4	6	8	13	21	15	39	97	34	53	83
Durability - maximum cycles (on+off)			10.000			10.000			10.000			5.000		
Maximum operating torque		Nm	5,8			8,7			19			39		
Terminal tightening torque		Nm	3			14			20			28		
Terminal bolt size		mm	-			M8			M10			M10   2x M12		
Cross Section	Stranded	mm²	6 - 35			1 x 120			1 x 240   2 x 185			2 x 240   -   -		
	Flexible	mm²	6 - 25			-			-			-		
	Bus bars	mm²	-			1 x 30 x 3 / 2 x 20 x 3			1 x 25 x 6   2 x 25 x 6   2 x 40 x 5			2 x 50 x 5   2 x 60 x 5   2 x 80 x 5		
Auxiliary contacts (M22-CK11)	1NO+1NC	pcs	1			2			2			1		
Weight		kg	1,5			2			5			13,5   14		
Dimensions	Width	mm	132			160			240			346		
	Height	mm	90			83			127			207		
	Depth	mm	97			98			129			160		