

SPECIFICATIONS:

SERIES DS2 NON-FUSED DISCONNECT SWITCH SPECIFICATIONS

		SWITCH CURRENT RATING CODE							
		16	25	30	40	60	80	100	125
ELECTRICAL UL/CSA APPLICATIONS									
	UNITS								
Rated Operating Voltage, Ue	VAC	600							
Rated Operating Current, Ie	A	16	25	32	40	63	80	100	125
RATED 3-PHASE POWER, Pe									
@ 240V AC	HP	3	7.5	7.5	10	15	20	20	30
@ 480V AC	HP	7.5	15	20	20	25	30	30	40
@ 600V AC	HP	10	20	25	30	30	40	40	50
RATED SINGLE PHASE POWER, Pe									
@ 120V AC	HP	0.5	1.5	2	3	3	3	3	3
@ 240V AC	HP	1.5	2	3	5	7.5	7.5	7.5	7.5
SHORT CIRCUIT RATINGS @ 600V AC									
With Class J Fuses	kA	10	10	10	10	10	10	10	10
Maximum Fuse Size	A	20	45	45	70	70	125	125	125
ELECTRICAL IEC APPLICATIONS									
Rated Insulation Voltage, Ui	VAC	750							
Rated Impulse Voltage, Uimp	kV	6							
Rated Operating Voltage, Ue	VAC	690							
RATED OPERATING CURRENT, Ie									
AC-22A	A	16	25	32	40	63	80	100	125
AC-1	A	20	32	40	63	80	80	100	125
RATED 3-PHASE POWER, AC-23A, Pe									
@ 220 ~ 240V AC	kW	7.5	11	15	22	30	37	44	60
@ 380 ~ 440V AC	kW	15	22	22	45	45	90	90	90
@ 500 ~ 690V AC	kW	15	22	22	45	45	90	90	90
RATED 3-PHASE POWER, AC-3, Pe									
@ 220 ~ 240V AC	kW	4	8	11	15	22	30	37	44
@ 380 ~ 440V AC	kW	5.5	15	15	30	30	55	55	55
@ 500 ~ 690V AC	kW	11	15	15	30	30	55	55	55
SHORT CIRCUIT RATINGS									
With Type gG Fuses	kA	5	30	30	30	30	30	30	30
Maximum Fuse Size	A	20	32	32	63	63	125	125	125
MECHANICAL									
Operating Torque (Door Mount)	Nm	0.45	0.8	0.8	0.8	0.8	①	①	①
	Lb-in.	4.0	7	7	7	7	①	①	①
Operating Torque (Panel Mount)	Nm	0.45	1.0	1.0	1.0	1.0	1.6	1.6	1.6
	Lb-in.	4.0	9	9	9	9	14	14	14
ENVIRONMENTAL									
Ambient Operating Temperature	°C/°F	-25 to 55 / -13 to 131							
Altitude	m/ft.	2,000/6,528							
Ingress Protection									
Switch Body	IP	20							
Operating Handles	—	For detailed specifications by operating handle, see page 9.							
CONSTRUCTION									
CONDUCTOR SIZE									
UL/CSA	AWG	1 x 18 ~ 12, 2 x 18 ~ 12	1 x 18 ~ 10, 2 x 18 ~ 12		1 x 12 ~ 6, 2 x 12 ~ 8		1 x 10 ~ 1, 2 x 10 ~ 4		
Solid/Multi-strand	mm²	1 ~ 4	2.5 ~ 10	2.5 ~ 10	6 ~ 25	6 ~ 25	2.5 ~ 50	2.5 ~ 50	2.5 ~ 50
Fine strand with sleeve	mm²	0.5 ~ 6	0.75 ~ 6	0.75 ~ 6	2.5 ~ 10	2.5 ~ 10	4 ~ 50	4 ~ 50	4 ~ 50
Terminal Torque	Nm	0.8	1.7	1.7	2	2	2.5	2.5	2.5
	Lb-in.	7.1	15	15	17.7	17.7	22	22	22
Recommended Wire Strip Length	mm	10	10	12	12	12	15	15	15
	in.	3/8	3/8	1/2	1/2	1/2	5/8	5/8	5/8
ROHS COMPLIANCE		For RoHS compliance documentation by product, refer to www.c3controls.com							

① Consult factory

SPECIFICATIONS:

SERIES DS2 NON-FUSED DISCONNECT SWITCHES – OPERATING HANDLES

ENVIRONMENTAL	UNITS	
DHG / PHG HANDLE		
Handle Type		Round
Installation		Door/Panel Mount
Padlock Provision		3
Ingress Protection Rating	—	Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65
DHM / PHM HANDLE		
Handle Type		Round
Installation		Door/Panel Mount
Padlock Provision		3
Ingress Protection Rating	—	Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65
SMP HANDLE		
Handle Type		Padlockable Lever
Installation		Integral Panel Mount
Padlock Provision		1
Ingress Protection Rating	IP	30
SPH / LPH HANDLE*		
Handle Type		Pistol
Installation		Panel Mount
Padlock Provision		3
Ingress Protection Rating	IP	65
SML HANDLE		
Handle Type		Lever
Installation		Integral Panel Mount
Padlock Provision		0
Ingress Protection Rating	IP	30
MDHG / MSDHG / MPHG HANDLE		
Handle Type		Padlockable Lever
Installation		Door/Panel Mount
Padlock Provision		1
Ingress Protection Rating	IP	MDHG & MSDHG: 55 MPHG: 65

*NOTE: Includes concealed defeater mechanism.



DHG/PHG



DHM/PHM



SMP



SPH/LPH



SML

MDHG/MSDHG/
MPHG