

**SPECIFICATIONS:**

<b>SERIES DS2 NON-FUSED DISCONNECT SWITCH SPECIFICATIONS</b>									
		<b>SWITCH CURRENT RATING CODE</b>							
		<b>16</b>	<b>25</b>	<b>30</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>125</b>
<b>ELECTRICAL UL/CSA APPLICATIONS</b>									
	<b>UNITS</b>								
Rated Operating Voltage, Ue	VAC	600							
Rated Operating Current, Ie	A	16	25	32	40	63	80	100	125
<b>RATED 3-PHASE POWER, Pe</b>									
@ 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
<b>RATED SINGLE PHASE POWER, Pe</b>									
@ 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
<b>SHORT CIRCUIT RATINGS @ 600V AC</b>									
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
<b>ELECTRICAL IEC APPLICATIONS</b>									
Rated Insulation Voltage, Ui	VAC	750							
Rated Impulse Voltage, Uimp	kV	6							
Rated Operating Voltage, Ue	VAC	690							
<b>RATED OPERATING CURRENT, Ie</b>									
AC-22A	A	16	25	32	40	63	80	100	125
AC-1	A	20	32	40	63	80	80	100	125
<b>RATED 3-PHASE POWER, AC-23A, Pe</b>									
@ 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
<b>RATED 3-PHASE POWER, AC-3, Pe</b>									
@ 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
<b>SHORT CIRCUIT RATINGS</b>									
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
<b>MECHANICAL</b>									
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
<b>ENVIRONMENTAL</b>									
Ambient Operating Temperature	°C/°F	-25 to 55 / -13 to 131							
Altitude	m/ft.	2,000/6,528							
<b>Ingress Protection</b>									
Switch Body	IP	20							
Operating Handles	—	For detailed specifications by operating handle, see page 9.							
<b>CONSTRUCTION</b>									
<b>CONDUCTOR SIZE</b>									
UL/CSA	AWG	16 ~ 12	18 ~ 10	18 ~ 10	12 ~ 6	12 ~ 6	10 ~ 1	10 ~ 1	10 ~ 1
Solid/Multi-strand	mm <sup>2</sup>	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	mm <sup>2</sup>	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
<b>ROHS COMPLIANCE</b>									
For RoHS compliance documentation by product, refer to <a href="http://www.c3controls.com">www.c3controls.com</a>									

① Consult factory

**SPECIFICATIONS:**

<b>SERIES DS2 NON-FUSED DISCONNECT SWITCHES - OPERATING HANDLES</b>		
<b>ENVIRONMENTAL</b>	<b>UNITS</b>	
<b>DHG / PHG HANDLE</b>		
Handle Type		Round
Installation		Door/Panel Mount
Padlock Provision		3
Ingress Protection Rating	—	Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65
<b>DHM / PHM HANDLE</b>		
Handle Type		Round
Installation		Door/Panel Mount
Padlock Provision		3
Ingress Protection Rating	—	Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65
<b>SMP HANDLE</b>		
Handle Type		Padlockable Lever
Installation		Integral Panel Mount
Padlock Provision		1
Ingress Protection Rating	IP	30
<b>SPH / LPH HANDLE*</b>		
Handle Type		Pistol
Installation		Panel Mount
Padlock Provision		3
Ingress Protection Rating	IP	65
<b>SML HANDLE</b>		
Handle Type		Lever
Installation		Integral Panel Mount
Padlock Provision		0
Ingress Protection Rating	IP	30
<b>MDHG / MSDHG / MPHG HANDLE</b>		
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**