

General characteristics

Switching diagram	13 - Dahlander motor control switch 1-0-2
N° of elements	4
Mounting form	O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers

Contact characteristics

Rated insulation voltage U_i	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage U_{imp}		kV	6	
Conventional free air thermal current I_{th}	IEC/EN	A	16	
	UL/CSA	A	15	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	16	
	15kA	A	10	
	25kA	A	10	
Rated short time current I_{cw}	1s	kA	200	
			10/5 mA/V	
Conductivity			10/5 mA/V	
Operational current I_e IEC/EN	AC1/AC21A	A	16	
	AC15			
	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	1.5	
Rated operational power in AC	Three-phase AC-3	220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3	110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3

Rated operational current in DC			
DC21A			
	48V	A	12
	60V	A	12
	110V	A	4
	220V	A	0.6
	440V	A	0.25
DC23A (poles in series)			
	24V	A	10 (1)
	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
DC13			
	24V	A	12
	48V	A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation		W	0.8
Mechanical features			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	12
AWG - Flexible cable			
	min	AWG	20
	Max	AWG	14
Conductor size (IEC) - Flexible cable			
	min	mm ²	0.5
	Max	mm ²	2.5
Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	2.5
Mechanical life		cycles	3x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	1.5
	240V	HP	3
for single-phase motor			
	120V	HP	0.5
	240V	HP	1
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

ETIM classification

ETIM 8.0	EC001029 - Selector switch, complete
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