

**General characteristics**

Switching diagram	20 - Dahlander motor 2-speed reversing switch
N° of elements	6
Mounting form	O - Rear mounting with black handle

**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	40
	UL/CSA	A	40
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	40
	15kA	A	35
	25kA	A	35
Rated short time current $I_{cw}$	1s	kA	1000
			10/5 mA/V
Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A	A	40
	AC15		
	110V	A	25
	220/230V	A	22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	7.5
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3	110V	kW	2.2
	220/230V	kW	4.4
	380/440V	kW	7
Three-phase AC23A	220/230V	kW	9
	380/440V	kW	18.5
	500/690V	kW	15
Single-phase AC23A	110V	kW	3
	220/230V	kW	5.2
	380/440V	kW	7.5
Rated operational current in DC	DC21A		
	48V	A	40

	60V	A	40
	110V	A	6
	220V	A	0.8
	440V	A	0.25
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DC23A (poles in series)	24V	A	40 (1)
	48V	A	40 (1)
	60V	A	40 (3)
	110V	A	40 (3)
	220V	A	12 (4)
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DC13	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
	220V	A	0.5
	440V	A	0.15
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Power dissipation		W	1.6
<b>Mechanical features</b>			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
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Conductor size			
AWG - Rigid cable	min	AWG	16
	Max	AWG	8
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AWG - Flexible cable	min	AWG	16
	Max	AWG	10
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Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
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Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10
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Mechanical life		cycles	1X10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	5
	240V	HP	10
	480V	HP	15
	600V	HP	15
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for single-phase motor	120V	HP	2
	240V	HP	5
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<b>Ambient conditions</b>			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55
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Storage temperature	min	°C	-40
	max	°C	+70
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<b>Resistance &amp; Protection</b>			

