

### General characteristics

Switching diagram	13 - Dahlander motor control switch 1-0-2
N° of elements	4
Mounting form	U47 - Snap on front mounting with black handle for hole diam. 22mm fixing

### Contact characteristics

Rated insulation voltage $U_i$	IEC/EN	V	480	
	UL/CSA	V	240	
Rated impulse withstand voltage $U_{imp}$		kV	4	
Conventional free air thermal current $I_{th}$	IEC/EN	A	10	
	UL/CSA	A	10	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16	
Rated short time current $I_{cw}$	1s	kA	250	
Conductivity			10/5 mA/V	
Operational current $I_e$ IEC/EN	AC1/AC21A		A	10
	AC15	110V	A	5
		220/230V	A	3
		380/400V	A	2
Rated operational power in AC	Three-phase AC-3	220/230V	kW	1.5
		380/440V	kW	2.2
	Single-phase AC-3	110V	kW	0.3
		220/230V	kW	0.55
		380/440V	kW	0.75
	Three-phase AC23A	220/230V	kW	1.8
		380/440V	kW	3
	Single-phase AC23A	110V	kW	0.7
		220/230V	kW	0.75
		380/440V	kW	1.1
Rated operational current in DC	DC21A	48V	A	10
		60V	A	7
		110V	A	2
		220V	A	0.7
		440V	A	0.2

DC13

24V	A	3
48V	A	3
60V	A	2
110V	A	1
220V	A	0.3
440V	A	0.1

Power dissipation	W	0.4
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**Mechanical features**

Terminals screw	2.5M
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Tightening torque for terminals max	Nm	0.4
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**Conductor size**

AWG - Rigid cable

min	AWG	20
Max	AWG	14

AWG - Flexible cable

min	AWG	20
Max	AWG	14

Conductor size (IEC) - Flexible cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	1.5

Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	1.5

Mechanical life	cycles	1x10 <sup>6</sup>
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**UL technical data**

Motor power for direct-on-line control

for three-phase motor

240V	HP	2
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for single-phase motor

240V	HP	0.75
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**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
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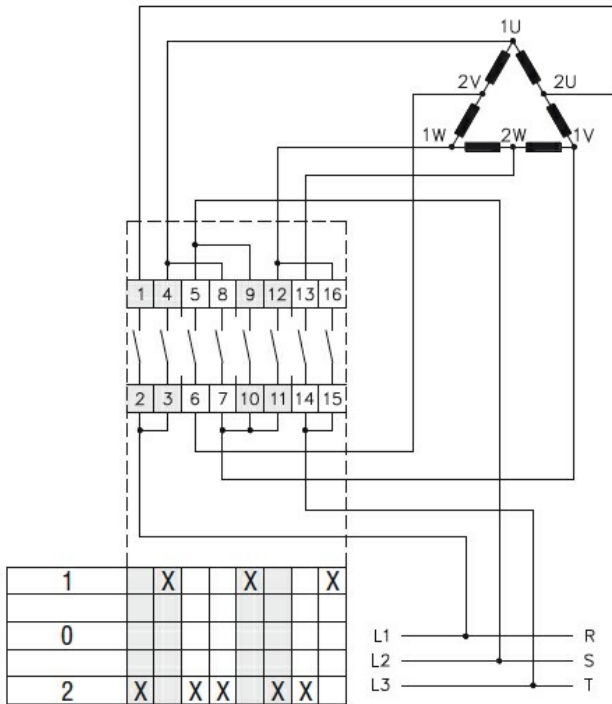
Terminals IP degree	IP20
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**Dimensions**



Series	Dimensions		L			
	□A	E	1	2	3...8	
GF10	30	18.5	60	72	84	144
GF20	48	26.5	56	69.5	83	150.5

**Wiring diagrams**



**Certifications and compliance**

**Compliance**

CSA C22.2 n° 14  
IEC/EN/BS 60947-1  
IEC/EN/BS 60947-3  
IEC/EN/BS 60947-5-1  
UL60947-4-1

**Certificates**

cULus  
EAC

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete