

General characteristics

Switching diagram	13 - Dahlander motor control switch 1-0-2
N° of elements	4
Mounting form	P - Plastic enclosure with black handle

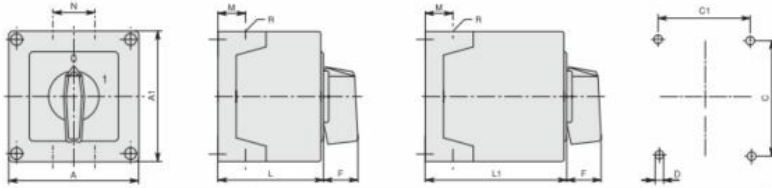
Contact characteristics

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	32
	UL/CSA	A	32
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	35
	15kA	A	35
	25kA	A	35
Rated short time current I_{cw}	1s	kA	1000
	Conductivity		
Operational current I_e IEC/EN	AC1/AC21A		A 32
	AC15		
	110V	A	25
	220/230V	A	20
	380/400V	A	10
	660/690V	A	2
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
	Single-phase AC-3		
	110V	kW	1.8
	220/230V	kW	3.5
	380/440V	kW	5.5
	Three-phase AC23A		
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC23A			
110V	kW	2.2	
220/230V	kW	3.5	
380/440V	kW	6	
Rated operational current in DC	DC21A		
	48V	A	32

		60V	A	32
		110V	A	5
		220V	A	0.8
		440V	A	0.25
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DC23A (poles in series)				
		24V	A	32 (1)
		48V	A	32 (2)
		60V	A	32 (3)
		110V	A	15 (3)
		220V	A	12 (4)
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DC13				
		24V	A	32
		48V	A	25
		60V	A	14
		110V	A	3
		220V	A	0.5
		440V	A	0.15
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Power dissipation			W	1.6
Mechanical features				
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 ²	1.5	
	Max	mm ²	6	
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Conductor size (IEC) - Rigid cable				
	min	mm ²	1.5	
	Max	mm ²	10	
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Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP	3	
	240V	HP	7.5	
	480V	HP	15	
	600V	HP	15	
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for single-phase motor				
	120V	HP	1.5	
	240V	HP	3	
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Ambient conditions				
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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Resistance & Protection				

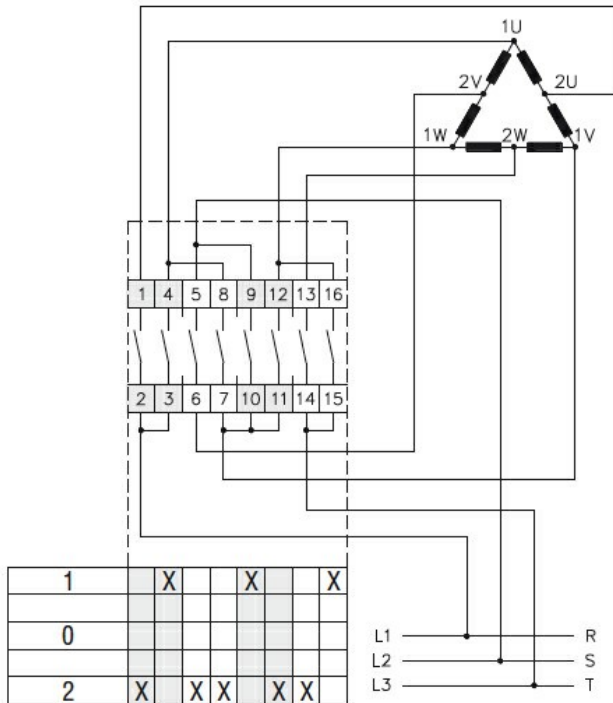
Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions



Series	Enclosure size	Number of elements		Dimensions										Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1		
GX160	90x90	1-2	3-5	90	90	79	79	4.5	25	19	30	71.3	98.3	4xPG16	IP65
GX200		1-2	3-5												
GX16	110x110	1-3	4-7	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
GX20		1-3	4-7												
GX320		1-2	3-4												
GX400		1-2	3-4												

Wiring diagrams



Certifications and compliance

Compliance

- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- IEC/EN/BS 61058-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete