

General characteristics

Switching diagram	13 - Dahlander motor control switch 1-0-2
N° of elements	4
Mounting form	P25 - Plastic enclosure with red/yellow handle

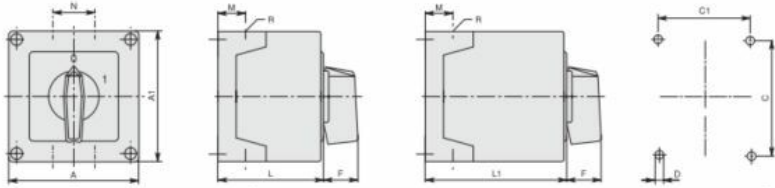
Contact characteristics

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			
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
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	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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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				

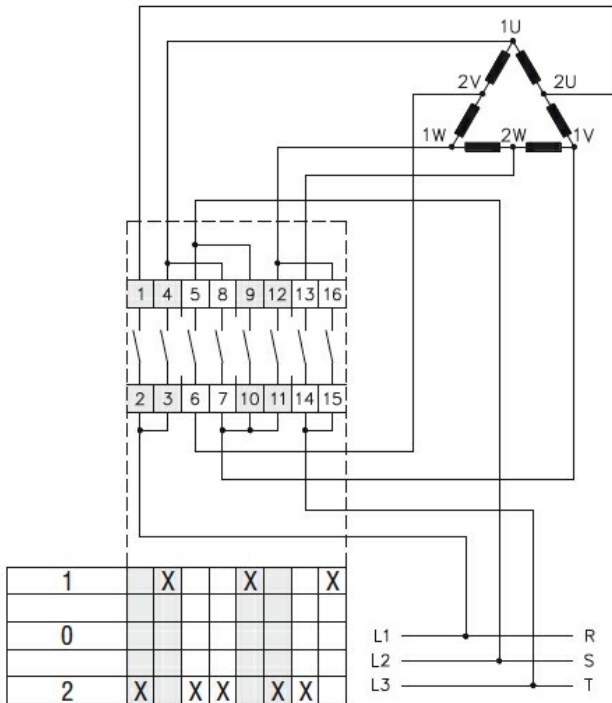
Frontal IP degree	IP65
Terminals IP degree	IP20

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