

General characteristics

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

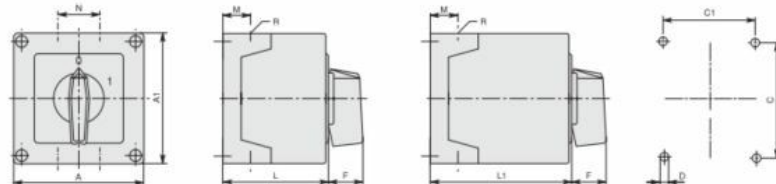
Contact characteristics

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	16
	UL/CSA	A	12
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	16
	15kA	A	16
	25kA	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	16
	AC15	110V	A 10
		220/230V	A 8
		380/400V	A 4
		660/690V	A 1.5
	Three-phase AC-3	220/230V	kW 3.5
		380/440V	kW 4.5
		500/690V	kW 5.5
Rated operational power in AC	Single-phase AC-3	110V	kW 0.55
		220/230V	kW 1.5
		380/440V	kW 2.2
	Three-phase AC23A	220/230V	kW 3.7
		380/440V	kW 6.5
		500/690V	kW 7.5
	Single-phase AC23A	110V	kW 0.75
		220/230V	kW 1.8
		380/440V	kW 3
Rated operational current in DC	DC21A		
		48V	A 16

		60V	A	16
		110V	A	4
		220V	A	0.6
		440V	A	0.25
DC23A (poles in series)				
		24V	A	16 (1)
		48V	A	16 (2)
		60V	A	16 (3)
		110V	A	10 (3)
		220V	A	7 (4)
DC13				
		24V	A	16
		48V	A	14
		60V	A	10
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				3M
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		12
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	1X10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP		1.5
	240V	HP		3
	480V	HP		5
	600V	HP		5
for single-phase motor				
	120V	HP		0.75
	240V	HP		1
Ambient conditions				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
Storage temperature				
	min	°C		-40
	max	°C		+70
Resistance & Protection				

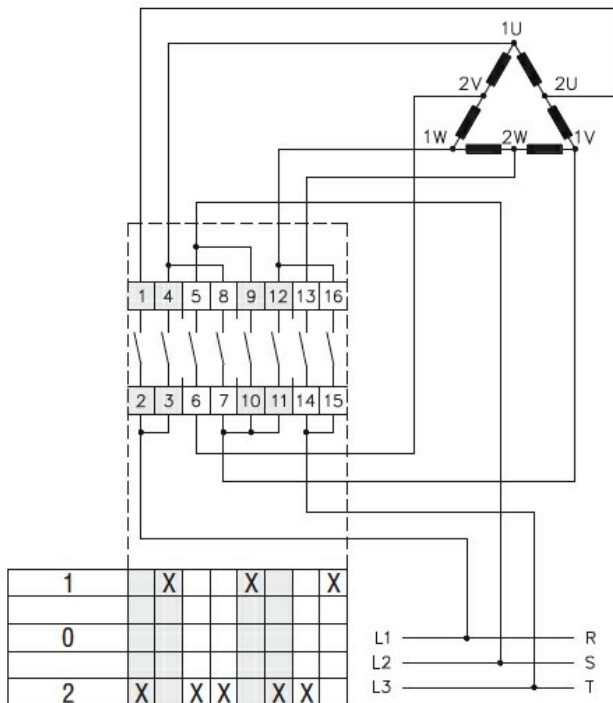
Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions



Series	Enclosure size	Number of elements		Dimensions											Cable entry	Protection degree
GX1600	90x90	1-2	3-5	90	90	79	79	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
GX2000		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													
GX3200		1-2	3-4													
GX4000		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