

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	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
Conductivity			10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A		
		A	40
	AC15	110V	25
		220/230V	22
		380/400V	12
		660/690V	2
Rated operational power in AC	Three-phase AC-3	220/230V	7.5
		380/440V	15
		500/690V	15
	Single-phase AC-3	110V	2.2
		220/230V	4.4
		380/440V	7
	Three-phase AC23A	220/230V	9
		380/440V	18.5
		500/690V	15
	Single-phase AC23A	110V	3
		220/230V	5.2
		380/440V	7.5
Rated operational current in DC	DC21A		
		48V	40

		60V	A	40
		110V	A	6
		220V	A	0.8
		440V	A	0.25
DC23A (poles in series)				
		24V	A	40 (1)
		48V	A	40 (1)
		60V	A	40 (3)
		110V	A	40 (3)
		220V	A	12 (4)
DC13				
		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
		220V	A	0.5
		440V	A	0.15
Power dissipation			W	1.6
Mechanical features				
Terminals screw				M4
Tightening torque for terminals max			Nm	1.2
Conductor size				
AWG - Rigid cable				
	min	AWG		16
	Max	AWG		8
AWG - Flexible cable				
	min	AWG		16
	Max	AWG		10
Conductor size (IEC) - Flexible cable				
	min	mm ²		1.5
	Max	mm ²		6
Conductor size (IEC) - Rigid cable				
	min	mm ²		1.5
	Max	mm ²		10
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
for single-phase motor				
	120V	HP		2
	240V	HP		5
Ambient conditions				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
Storage temperature				
	min	°C		-40
	max	°C		+70
Resistance & Protection				

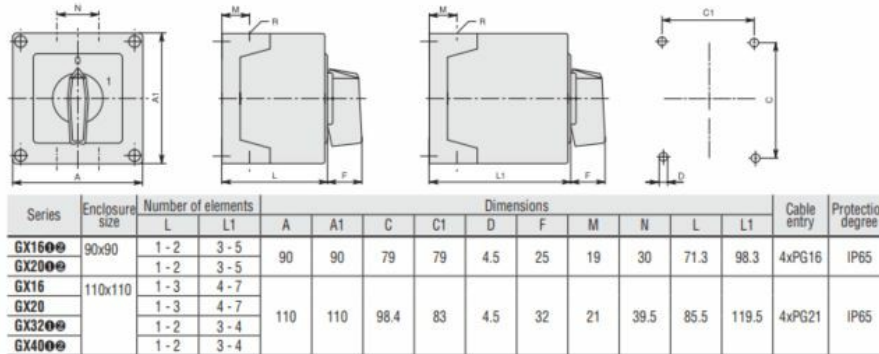
Frontal IP degree

IP65

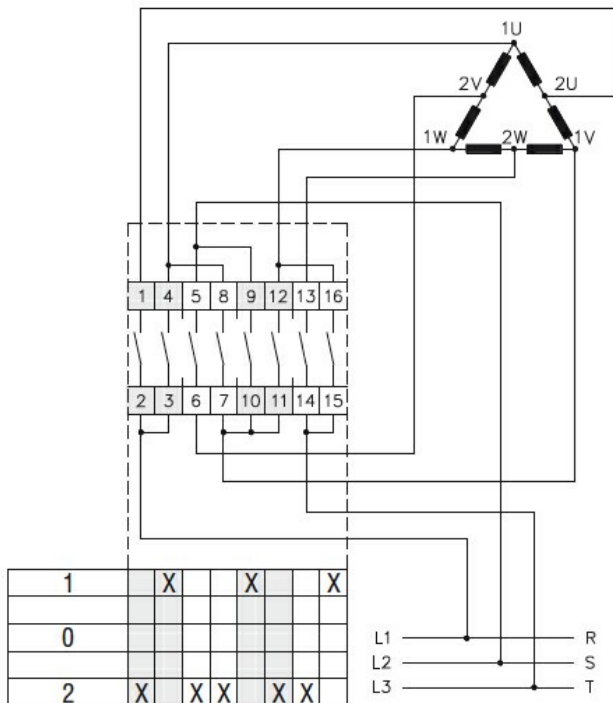
Terminals IP degree

IP20

Dimensions



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