

Product designation				Rotary cam switches
Product type designation				GX40
General characteristics				
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
Mounting form				U - Front mounting 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	A
				1000
Conductivity				10/5 mA/V
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 AC3			
	220/230V	kW	7.5	
	380/440V	kW	15	
	500/690V	kW	15	
	Single-phase AC3			
	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				

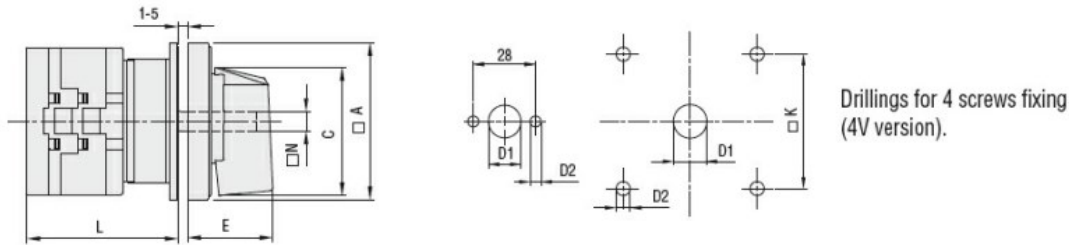
DC21A				
	48V	A	40	
	60V	A	40	
	110V	A	6	
	220V	A	0.8	
	440V	A	0.25	
DC23A (poles in series)				
	24V	A	40 (1)	
	48V	A	40 (1)	
	60V	A	40 (3)	
	110V	A	40 (3)	
	220V	A	12 (4)	
DC13				
	24V	A	40	
	48V	A	32	
	60V	A	16	
	110V	A	3	
	220V	A	0.5	
	440V	A	0.15	
Power dissipation		W	1.6	
Mechanical features				
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

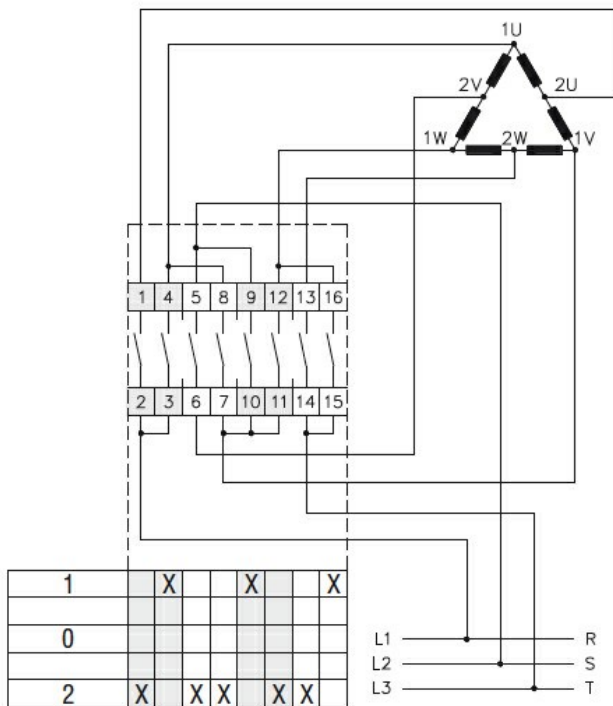
Dimensions



Drillings for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements											
	□A	C	∅D1	∅D2	E	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
GX16	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX20	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX32	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183
GX40	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183

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
- IEC/EN/BS 61058-1
- UL60947-4-1

Certificates

- cULus
- EAC

ETIM classification

ETIM 8.0

EC001105 - Off-load switch