

Product designation	Rotary cam switches	
Product type designation	GX16	
General characteristics		
Switching diagram	19 - Dahlander motor control switch 0-1-2	
N° of elements	4	
Mounting form	U47 - Snap on front mounting with black handle for hole diam. 22mm fixng	
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	
Rated operational power in AC		
Three-phase AC-3	220/230V kW 3.5 380/440V kW 4.5 500/690V kW 5.5	
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	

ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 16A,
MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE,
FRONT PLATE 48X48MM

	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

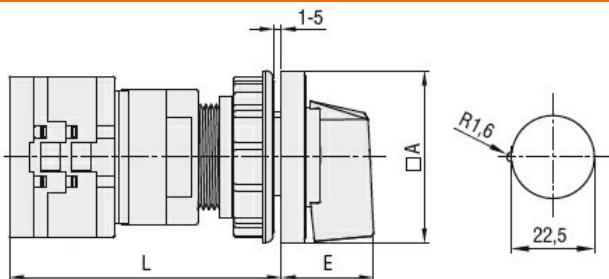
Frontal IP degree

IP65

Terminals IP degree

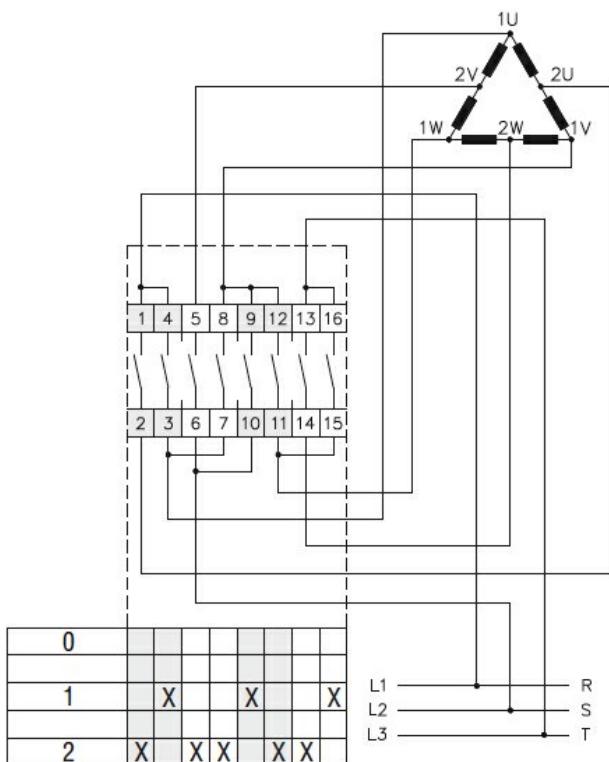
IP20

Dimensions



Series	Dimensions		L			
	□A	E	1	2	3.....8	
GX16	48	26.5	64.9	73.4	81.9	124.4
GX20	48	26.5	64.9	73.4	81.9	124.4

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

EC001029 -
Selector switch,
complete