

Product designation				Rotary cam switches
Product type designation				GX20
General characteristics				
Switching diagram				86 - Multi-step 1-2-3 2 poles
N° of elements				3
Mounting form				O - Rear 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	20
		UL/CSA	A	15
Rated operational voltage			V	440
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)		10kA	A	20
		15kA	A	20
		25kA	A	20
Rated short time current I_{cw}		1s	kA	250
Conductivity				10/5 mA/V
Operational current I_e IEC/EN				
AC1/AC21A			A	20
AC15		110V	A	10
		220/230V	A	8
		380/400V	A	6
		660/690V	A	1.5
Rated operational power in AC				
Three-phase AC-3		220/230V	kW	3.7
		380/440V	kW	5.5
		500/690V	kW	5.5
Single-phase AC-3		110V	kW	0.75
		220/230V	kW	1.8
		380/440V	kW	3
Three-phase AC23A		220/230V	kW	4
		380/440V	kW	7.5
		500/690V	kW	7.5
Single-phase AC23A		110V	kW	0.75
		220/230V	kW	2.2
		380/440V	kW	3.5
Rated operational current in DC				

DC21A				
	48V	A	20	
	60V	A	20	
	110V	A	4	
	220V	A	0.6	
	440V	A	0.25	
DC23A (poles in series)				
	24V	A	20 (1)	
	48V	A	20 (2)	
	60V	A	20 (3)	
	110V	A	10 (3)	
	220V	A	8 (4)	
DC13				
	24V	A	20	
	48V	A	16	
	60V	A	12	
	110V	A	1	
	220V	A	0.4	
	440V	A	0.15	
Power dissipation		W	0.6	
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max		Nm	0.8	
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	1.5	
Ambient conditions				
Temperature				
Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	

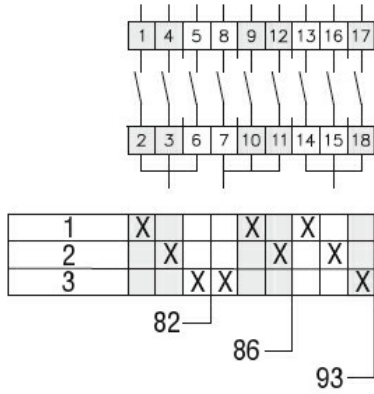
max °C +70

Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions

Wiring diagrams



Certifications and compliance

Compliance

- 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