

Product designation	Rotary cam switches
Product type designation	GX20
General characteristics	
Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements	3
Mounting form	O48 - Modular service cover for 35mm din rail 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
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Rated operational current in DC			
DC21A			
	48V	A	20
	60V	A	20
	110V	A	4
	220V	A	0.6
	440V	A	0.25
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DC23A (poles in series)			
	24V	A	20 (1)
	48V	A	20 (2)
	60V	A	20 (3)
	110V	A	10 (3)
	220V	A	8 (4)
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DC13			
	24V	A	20
	48V	A	16
	60V	A	12
	110V	A	1
	220V	A	0.4
	440V	A	0.15
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Power dissipation		W	0.6
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Mechanical features			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.8
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Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	12
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AWG - Flexible cable			
	min	AWG	20
	Max	AWG	12
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Conductor size (IEC) - Flexible cable			
	min	mm ²	0.5
	Max	mm ²	2.5
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Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	2.5
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Mechanical life		cycles	1X10 ⁶
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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
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for single-phase motor			
	120V	HP	0.75
	240V	HP	1.5
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Ambient conditions			
Temperature			

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

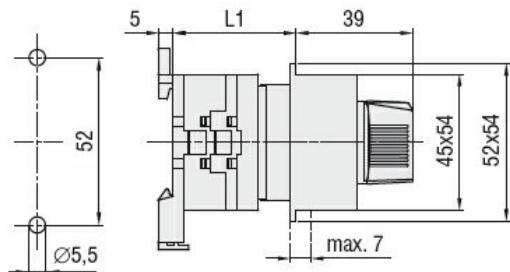
Frontal IP degree

IP65

Terminals IP degree

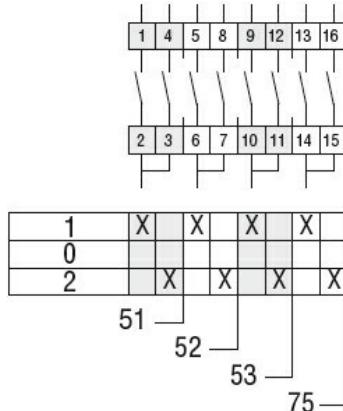
IP20

Dimensions



Series	L1		
	1	2	3
GX16	33	41.5	50
GX20	33	41.5	50

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