



Product designation

Rotary cam switches

Product type designation

GX20

General characteristics

Switching diagram

03 - ON/OFF spring return switch 3 poles

N° of elements

2

Mounting form

U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing

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 A 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
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Three-phase AC23A	220/230V	kW	4
	380/440V	kW	7.5
	500/690V	kW	7.5
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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
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
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

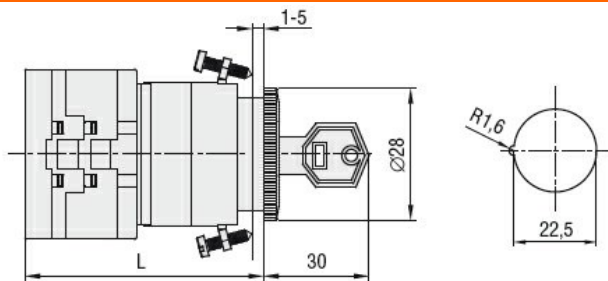
Frontal IP degree

IP65

Terminals IP degree

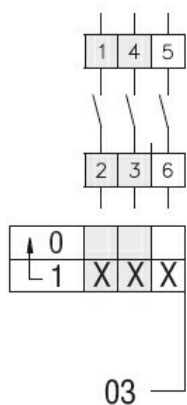
IP20

Dimensions



Series	L			
	1	2	3...8	
GX16	54	62.5	71	113.4
GX20	54	62.5	71	113.4

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