

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

O88 - Rear  
mounting with  
red/yellow handle  
padlockable in 0,  
door coupling  
and protection  
covers

### Contact characteristics

Rated insulation voltage  $U_i$

IEC/EN	V	690
UL/CSA	V	600

Rated impulse withstand voltage  $U_{imp}$

kV	6
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Conventional free air thermal current  $I_{th}$

IEC/EN	A	20
UL/CSA	A	15

Rated operational voltage

V	440
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Rated operational impulse voltage

kV	4
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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
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Conductivity

10/5 mA/V

Operational current  $I_e$  IEC/EN

AC1/AC21A

A	20
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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
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ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR  
STARTING WITH SEPARATE WINDINGS 20A, FOR REAR MOUNTING WITH RED/YELLOW  
HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT  
PLATE: 48X48

	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 <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	2.5
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	2.5
Mechanical life		cycles	1X10 <sup>6</sup>
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

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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

### ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete