

Product designation				Rotary cam switches
Product type designation				GN20
<b>General characteristics</b>				
Switching diagram				10
N° of elements				2
<b>Contact characteristics</b>				
Rated insulation voltage Ui	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage Uimp			kV	6
Conventional free air thermal current Ith	IEC/EN	A	20	
	UL/CSA	A	20	
Rated operational voltage			V	480
Maximum fuse size for short-circuit protection In (gG)	10kA	A	20	
	25kA	A	16	
Rated short time current Icw	1s	A	250	
Operational current Ie 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	
	380/440V	kW	5.5	
	500/690V	kW	5.5	
Single-phase AC-3	110V	kW	0.8	
	220/230V	kW	2.2	
	380/440V	kW	3	
Three-phase AC23A	220/230V	kW	5	
	380/440V	kW	7.5	
	500/690V	kW	7.5	
Single-phase AC23A	110V	kW	0.8	
	220/230V	kW	2.5	
	380/440V	kW	3.7	
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

### Mechanical features

Terminals screw M3

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	14

Conductor size (IEC) - Flexible cable

min	mm <sup>2</sup>	0.5
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Conductor size (IEC) - Rigid cable

Max	mm <sup>2</sup>	2.5
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Mechanical life cycles 5x10<sup>6</sup>

### UL technical data

Motor power for direct-on-line control

for three-phase motor

240V	HP	3
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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 IP40

Terminals IP degree IP00

### ETIM classification

ETIM 8.0 EC001105 - Off-load switch