

Product designation				Rotary cam switches
Product type designation				GN20
<b>General characteristics</b>				
Switching diagram				34
<b>Contact characteristics</b>				
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	20	
Rated operational voltage			V	480
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	20	
	25kA	A	16	
Rated short time current $I_{cw}$			1s	A
				250
Operational current $I_e$ IEC/EN	AC1/AC21A			A
	AC15			20
Rated operational power in AC	110V			A
	220/230V			A
	380/400V			A
	660/690V			A
				1.5
Rated operational power in AC	Three-phase AC-3			
	220/230V			kW
	380/440V			kW
	500/690V			kW
	110V			kW
	220/230V			kW
	380/440V			kW
	Three-phase AC23A			
	220/230V			kW
380/440V			kW	
500/690V			kW	
Rated operational power in AC	Single-phase AC23A			
	110V			kW
	220/230V			kW
	380/440V			kW
	Single-phase AC23A			
110V			kW	
220/230V			kW	
380/440V			kW	
Rated operational current in DC	DC21A			
	48V	A	20	
Rated operational current in DC	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

EC001029 -  
Selector switch,  
complete