

Product designation				Rotary cam switches
Product type designation				GN20
General characteristics				
Switching diagram				60
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	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			10
	380/400V			A
	660/690V			8
	380/400V			A
660/690V			A	
			6	
			1.5	
Rated operational power in AC	Three-phase AC-3			
	220/230V			kW
	380/440V			3
	500/690V			kW
				5.5
				5.5
	Single-phase AC-3			
	110V			kW
	220/230V			0.8
	380/440V			kW
				2.2
				3
Three-phase AC23A				
220/230V			kW	
380/440V			5	
500/690V			kW	
			7.5	
			7.5	
Single-phase AC23A				
110V			kW	
220/230V			0.8	
380/440V			kW	
			2.5	
			3.7	
Rated operational current in DC	DC21A			
	48V			A
	60V			20
	110V			A
	220V			4
	440V			A
				0.6
				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 ²	0.5
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Conductor size (IEC) - Rigid cable

Max	mm ²	2.5
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Mechanical life cycles 5x10⁶

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