

Product designation				Rotary cam switches
Product type designation				GN20
General characteristics				
Switching diagram				48
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
	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 ²	0.5
	Conductor size (IEC) - Rigid cable			
		Max	mm ²	2.5
Mechanical life			cycles	5x10 ⁶

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
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