

Product designation				Rotary cam switches
Product type designation				GN20
General characteristics				
Switching diagram				21
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	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
	Single-phase AC-3		110V	kW
			220/230V	kW
			380/440V	kW
Rated operational power in AC	Three-phase AC23A		220/230V	kW
			380/440V	kW
			500/690V	kW
	Single-phase AC23A		110V	kW
			220/230V	kW
			380/440V	kW
Rated operational current in DC	DC21A			48V
				60V
				110V
				220V
				440V
	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
---	------	----	---

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
----------	--