

Product designation				Rotary cam switches
Product type designation				GN20
<b>General characteristics</b>				
Switching diagram				37
Options				IEC IP65 front plate
<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	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
Conductor size (IEC) - Rigid cable			
	Max	mm <sup>2</sup>	2.5

Mechanical life		cycles	5x10 <sup>6</sup>
-----------------	--	--------	-------------------

### 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
----------	--	--	--