

Product designation				Rotary cam switches
Product type designation				GN12
<b>General characteristics</b>				
Switching diagram				81
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	16	
	UL/CSA	A	15	
Rated operational voltage		V	480	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16	
	25kA	A	10	
Rated short time current $I_{cw}$	1s	A	200	
Operational current $I_e$ IEC/EN				
AC1/AC21A		A	16	
AC15	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	1.5	
Rated operational power in AC				
Three-phase AC-3	220/230V	kW	2.5	
	380/440V	kW	4	
	500/690V	kW	5.5	
Single-phase AC-3	110V	kW	0.8	
	220/230V	kW	1.5	
	380/440V	kW	2.2	
Three-phase AC23A	220/230V	kW	3	
	380/440V	kW	5.5	
	500/690V	kW	7.5	
Single-phase AC23A	110V	kW	0.8	
	220/230V	kW	1.7	
	380/440V	kW	3	
Rated operational current in DC				
DC21A	48V	A	12	
	60V	A	12	
	110V	A	4	
	220V	A	0.6	
	440V	A	0.25	

DC23A (poles in series)

24V	A	10 (1)
48V	A	10 (2)
60V	A	10 (3)
110V	A	5 (3)
220V	A	5 (4)

DC13

24V	A	12
48V	A	10
60V	A	8
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	14

AWG - Flexible cable

min	AWG	20
Max	AWG	16

Conductor size (IEC) - Flexible cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	2.5

Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	2.5

Mechanical life cycles 3x10<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