

Product designation				Rotary cam switches
Product type designation				GN12
General characteristics				
Switching diagram				5R
Contact characteristics				
Rated insulation voltage U_i	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage U_{imp}			kV	8
Conventional free air thermal current I_{th}	IEC/EN	A	125	
	UL/CSA	A	130	
Rated operational voltage			V	690
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	125	
	25kA	A	100	
	50kA	A	100	
	63kA	A	100	
Rated short time current I_{cw}			1s	A
				2100
Operational current I_e IEC/EN	AC1/AC21A			
			A	125
AC15	110V		A	40
	220/230V		A	28
	380/400V		A	15
	660/690V		A	5
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	18.5	
Single-phase AC-3	380/440V	kW	37	
	500/690V	kW	33	
	110V	kW	5	
Three-phase AC23A	220/230V	kW	30	
	380/440V	kW	45	
	500/690V	kW	37	
Single-phase AC23A	110V	kW	5	
	220/230V	kW	11	
	380/440V	kW	15	
Rated operational current in DC	DC21A			
	48V	A	125	
DC23A (poles in series)	60V	A	80	
	110V	A	10	
	220V	A	1.2	

24V	A	125 (1)
48V	A	125 (2)
60V	A	125 (3)
110V	A	50 (3)
220V	A	20 (4)

DC13

24V	A	125
48V	A	100
60V	A	50
110V	A	4

Mechanical features

Terminals screw	M2X5
Tightening torque for terminals max	Nm 2

Conductor size

AWG - Rigid cable

min	AWG	14
Max	AWG	1/0

AWG - Flexible cable

min	AWG	14
Max	AWG	1/0

Conductor size (IEC) - Flexible cable

min	mm ²	2.5
-----	-----------------	-----

Conductor size (IEC) - Rigid cable

min	mm ²	2.5
Max	mm ²	50

Mechanical life	cycles	1x10 ⁶
-----------------	--------	-------------------

UL technical data

Motor power for direct-on-line control

for three-phase motor

600V	HP	40
------	----	----

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