

Product designation				Rotary cam switches
Product type designation				GN40
General characteristics				
Switching diagram				92
N° of elements				2
Contact characteristics				
Rated insulation voltage Ui	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage Uimp			kV	6
Conventional free air thermal current Ith	IEC/EN	A	40	
	UL/CSA	A	50	
Rated operational voltage			V	480
Maximum fuse size for short-circuit protection In (gG)	25kA	A	40	
	50kA	A	40	
	63kA	A	40	
Rated short time current Icw			60s	A
				1000
Operational current Ie IEC/EN	AC1/AC21A			A
	AC15			40
Rated operational power in AC	110V			A
	220/230V			A
	380/400V			A
	660/690V			A
				2
Three-phase AC3	220/230V	kW	8	
	380/440V	kW	15	
	500/690V	kW	15	
Single-phase AC3	110V	kW	3	
	220/230V	kW	6.5	
	380/440V	kW	8	
Three-phase AC23A	220/230V	kW	8	
	380/440V	kW	18.5	
	500/690V	kW	22	
Single-phase AC23A	110V	kW	3	
	220/230V	kW	6	
	380/440V	kW	11	
Rated operational current in DC	DC21A			A
	48V	A	40	
	60V	A	40	
	110V	A	6	
	220V	A	0.9	
DC23A (poles in series)				

24V	A	40 (1)
48V	A	40 (2)
60V	A	40 (3)
110V	A	20 (3)
220V	A	12 (4)

DC13

24V	A	40
48V	A	32
60V	A	16
110V	A	3

Mechanical features

Terminals screw M4

Tightening torque for terminals max Nm 1.2

Conductor size

AWG - Rigid cable

min	AWG	16
Max	AWG	8

AWG - Flexible cable

min	AWG	16
Max	AWG	10

Conductor size (IEC) - Flexible cable

min	mm ²	1.5
Max	mm ²	6

Conductor size (IEC) - Rigid cable

min	mm ²	1.5
Max	mm ²	10

Mechanical life cycles 5x106

UL technical data

Motor power for direct-on-line control

for three-phase motor

480V	HP	20
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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 EC001105 - Off-load switch