

Product designation				Rotary cam switches
Product type designation				7GN40
General characteristics				
Switching diagram				05 - ON/OFF switch 1 pole
N° of elements				1
Mounting form				U - Front mounting with black handle
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	40	
	UL/CSA	A	50	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	40	
	15kA	A	40	
	25kA	A	40	
	50kA	A	40	
	63kA	A	40	
Rated short time current I_{cw}			1s	kA
				1000
Conductivity				10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A			A
	AC15			
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	8	
	380/440V	kW	15	
	500/690V	kW	15	
	Single-phase AC-3			
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		

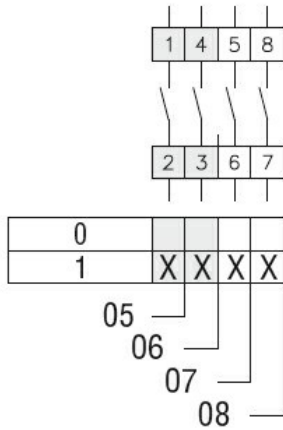
		380/440V	kW	11
Rated operational current in DC				
DC21A		48V	A	40
		60V	A	40
		110V	A	6
		220V	A	0.9
DC23A (poles in series)		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	A	12 (4)
DC13		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals 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	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
for single-phase motor		120V	HP	2
		240V	HP	5
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

Dimensions

Wiring diagrams



Certifications and compliance

Compliance

- CSA C22.2 n° 14
- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- UL60947-4-1

Certificates

- cCSAus
- EAC
- UL

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete