

Product designation			Rotary cam switches		
Product type designation			7GN40		
General characteristics					
Switching diagram			07 - ON/OFF switch 3 poles		
N° of elements			2		
Mounting form			U - Front mounting with black handle		
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	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection In (gG)			10kA	A	40
			15kA	A	40
			25kA	A	40
			50kA	A	40
			63kA	A	40
Rated short time current Icw			1s	kA	1000
Conductivity			10/5 mA/V		
Operational current Ie IEC/EN					
AC1/AC21A			A	40	
AC15			110V	A	25
			220/230V	A	22
			380/400V	A	12
			660/690V	A	2
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

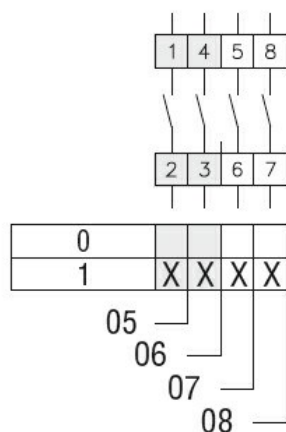
		380/440V	kW	11
Rated operational current in DC				
DC21A				
		48V	A	40
		60V	A	40
		110V	A	6
		220V	A	0.9
DC23A (poles in series)				
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	A	12 (4)
DC13				
		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
Power dissipation			W	2.0
Mechanical 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