

Product designation				Rotary cam switches
Product type designation				7GN40
<b>General characteristics</b>				
Switching diagram				05 - ON/OFF switch 1 pole
N° of elements				1
Mounting form				U - Front mounting with black handle
<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	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	A
				1000
Conductivity				10/5 mA/V
Operational current $I_e$ 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
			380/440V	kW
			500/690V	kW
				8
				15
				15
	Single-phase AC-3			
			110V	kW
			220/230V	kW
			380/440V	kW
				3
			6.5	
			8	
Three-phase AC23A				
		220/230V	kW	
		380/440V	kW	
		500/690V	kW	
			8	
			18.5	
			22	
Single-phase AC23A				
		110V	kW	
		220/230V	kW	
			3	
			6	

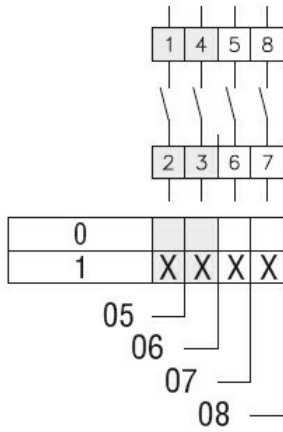
		380/440V	kW	11
Rated operational current in DC				
DC21A		48V	A	40
		60V	A	40
		110V	A	6
		220V	A	0.9
DC23A (poles in series)		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	A	12 (4)
DC13		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
Power dissipation			W	2.0
<b>Mechanical features</b>				
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 <sup>2</sup>	1.5
		Max	mm <sup>2</sup>	6
Conductor size (IEC) - Rigid cable		min	mm <sup>2</sup>	1.5
		Max	mm <sup>2</sup>	10
Mechanical life			cycles	5x10 <sup>6</sup>
<b>UL technical data</b>				
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
<b>Ambient conditions</b>				
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