

Product designation				Rotary cam switches
Product type designation				7GN40
<b>General characteristics</b>				
Switching diagram				10 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				Front mounting with black handle (U)
<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	
	60s	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 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
<b>Rated operational current in DC</b>			
DC21A	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9
<b>DC23A (poles in series)</b>			
	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)
<b>DC13</b>			
	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
<b>Power dissipation</b>		W	2.0
<b>Mechanical features</b>			
<b>Terminals screw</b>			M4
<b>Tightening torque for terminals max</b>			Nm 1.2
<b>Conductor size</b>			
<b>AWG - Rigid cable</b>			
	min	AWG	16
	Max	AWG	8
<b>AWG - Flexible cable</b>			
	min	AWG	16
	Max	AWG	10
<b>Conductor size (IEC) - Flexible cable</b>			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
<b>Conductor size (IEC) - Rigid cable</b>			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10
<b>Mechanical life</b>			cycles 5x10 <sup>6</sup>
<b>UL technical data</b>			
<b>Motor power for direct-on-line control</b>			
<b>for three-phase motor</b>			
	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20
<b>for single-phase motor</b>			
	120V	HP	2
	240V	HP	5
<b>Ambient conditions</b>			
<b>Temperature</b>			
<b>Operating temperature</b>			
	min	°C	-25
	max	°C	+55
<b>Storage temperature</b>			
	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

EC001105 - Off-load switch