

Product designation	Rotary cam switches		
Product type designation	7GN40		
General characteristics			
Switching diagram	08 - ON/OFF switch 4 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

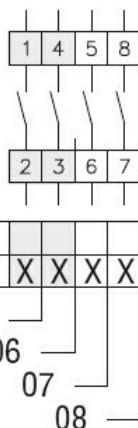
Resistance & Protection

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