

Product designation			Rotary cam switches		
Product type designation			7GN12		
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	16
			UL/CSA	A	15
Rated operational voltage			V	480	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection In (gG)			10kA	A	16
			15kA	A	10
			25kA	A	10
Rated short time current Icw			1s	kA	200
Conductivity			10/5 mA/V		
Operational current Ie IEC/EN					
AC1/AC21A			A	16	
AC15			110V	A	10
			220/230V	A	8
			380/400V	A	4
			660/690V	A	1.5
Rated operational power in AC					
Three-phase AC-3			220/230V	kW	2.5
			380/440V	kW	4
			500/690V	kW	5.5
Single-phase AC-3			110V	kW	0.8
			220/230V	kW	1.5
			380/440V	kW	2.2
Three-phase AC23A			220/230V	kW	3
			380/440V	kW	5.5
			500/690V	kW	7.5
Single-phase AC23A			110V	kW	0.8
			220/230V	kW	1.7
			380/440V	kW	3
Rated operational current in DC					

DC21A

48V	A	12
60V	A	12
110V	A	4
220V	A	0.6
440V	A	0.25

DC23A (poles in series)

24V	A	10 (1)
48V	A	10 (2)
60V	A	10 (3)
110V	A	5 (3)
220V	A	5 (4)

DC13

24V	A	12
48V	A	10
60V	A	8
110V	A	1
220V	A	0.4
440V	A	0.15

Power dissipation	W	0.8
-------------------	---	-----

Mechanical features

Terminals screw	M3
-----------------	----

Tightening torque for terminals max	Nm	0.5
-------------------------------------	----	-----

Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	12

AWG - Flexible cable

min	AWG	20
Max	AWG	14

Conductor size (IEC) - Flexible cable

min	mm ²	0.5
Max	mm ²	2.5

Conductor size (IEC) - Rigid cable

min	mm ²	0.5
Max	mm ²	2.5

Mechanical life	cycles	3x10 ⁶
-----------------	--------	-------------------

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	1.5
240V	HP	3

for single-phase motor

120V	HP	0.5
240V	HP	1

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

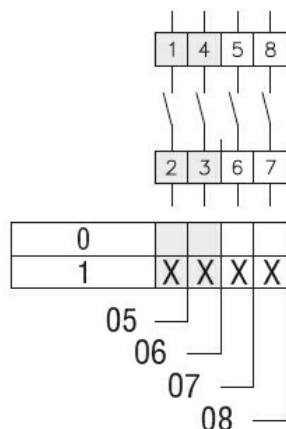
min	°C	-40
max	°C	+70

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
----------	--