

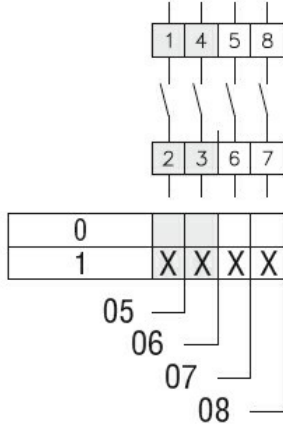
Product designation				Rotary cam switches
Product type designation				7GN12
General characteristics				
Switching diagram				07 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				U - Front mounting with black handle
Contact characteristics				
Rated insulation voltage U_i	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage U_{imp}			kV	6
Conventional free air thermal current I_{th}	IEC/EN	A	16	
	UL/CSA	A	15	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	16	
	15kA	A	10	
	25kA	A	10	
Rated short time current I_{cw}			1s	kA
				200
Conductivity				10/5 mA/V
Operational current I_e 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