



Product designation	Rotary cam switches		
Product type designation	7GN63		
General characteristics			
Switching diagram	10 - 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	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current I_{cw}	1s	A	1600
	Conductivity 10/5 mA/V		
Operational current I_e IEC/EN	AC1/AC21A		A 63
	AC15		
Rated operational power in AC	110V	A	32
	220/230V	A	25
	380/400V	A	15
	660/690V	A	4
	Three-phase AC3		
220/230V	kW	11	
380/440V	kW	18.5	
500/690V	kW	18.5	
Single-phase AC3			
110V	kW	3.7	
220/230V	kW	6.5	
380/440V	kW	11.5	

Three-phase AC23A			
	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single-phase AC23A			
	110V	kW	3.7
	220/230V	kW	7.5
	380/440V	kW	12.5
Rated operational current in DC			
DC21A			
	48V	A	63
	60V	A	50
	110V	A	8
	220V	A	1
DC23A (poles in series)			
	24V	A	50 (1)
	48V	A	50 (2)
	60V	A	50 (3)
	110V	A	25 (3)
	220V	A	15 (4)
DC13			
	24V	A	63
	48V	A	40
	60V	A	28
	110V	A	3.3
Power dissipation		W	3.4
Mechanical features			
Terminals screw			M5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable			
	min	AWG	14
	Max	AWG	6
AWG - Flexible cable			
	min	AWG	14
	Max	AWG	8
Conductor size (IEC) - Flexible cable			
	min	mm ²	2.5
	Max	mm ²	10
Conductor size (IEC) - Rigid cable			
	min	mm ²	2.5
	Max	mm ²	16
Mechanical life		cycles	5x106
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	7.5
	240V	HP	15
	480V	HP	25
	600V	HP	25
for single-phase motor			
	120V	HP	3
	240V	HP	10
Ambient conditions			

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

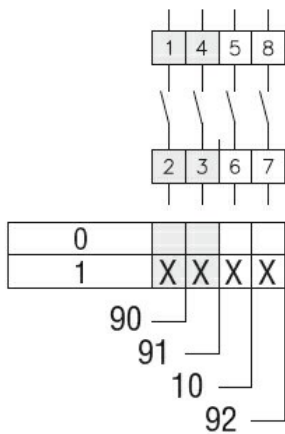
Resistance & Protection

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

EC001105 - Off-load switch