

Product designation				Rotary cam switches	
Product type designation				7GN125	
General characteristics					
Switching diagram				52 - Changeover switch 2 poles	
N° of elements				2	
Mounting form				Front mounting with black handle (U)	
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	125		
	UL/CSA	A	130		
Rated operational voltage			V	690	
Rated operational impulse voltage			kV	6	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	125		
	15kA	A	100		
	25kA	A	100		
	50kA	A	100		
	63kA	A	100		
Rated short time current I_{cw}			1s	A	
				2100	
Conductivity				10/5 mA/V	
Operational current I_e IEC/EN	AC1/AC21A		A	125	
	AC15				
		110V	A	40	
		220/230V	A	28	
		380/400V	A	15	
		660/690V	A	5	
Rated operational power in AC	Three-phase AC3				
			220/230V	kW	18.5
			380/440V	kW	37
			500/690V	kW	33
	Single-phase AC3				
			110V	kW	5
			220/230V	kW	11
			380/440V	kW	15
	Three-phase AC23A				
			220/230V	kW	30
			380/440V	kW	45
			500/690V	kW	37
Single-phase AC23A					
		110V	kW	5	
		220/230V	kW	11	

	380/440V	kW	15
Rated operational current in DC			
DC21A	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
DC23A (poles in series)	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
DC13	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
Power dissipation		W	6.3
Mechanical features			
Terminals screw			M2X5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable	min	AWG	14
	Max	AWG	1/0
AWG - Flexible cable	min	AWG	14
	Max	AWG	1/0
Conductor size (IEC) - Flexible cable	min	mm ²	2.5
	Max	mm ²	50
Conductor size (IEC) - Rigid cable	min	mm ²	2.5
	Max	mm ²	50
Mechanical life		cycles	1X10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	15
	240V	HP	25
	480V	HP	50
	600V	HP	40
for single-phase motor	120V	HP	5
	240V	HP	15
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

EAC

UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch