

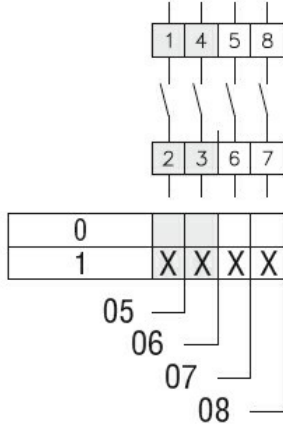
Product designation				Rotary cam switches
Product type designation				7GN25
General characteristics				
Switching diagram				07 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				U - Front mounting with black handle
Contact characteristics				
Rated insulation voltage U_i		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand voltage U_{imp}			kV	6
Conventional free air thermal current I_{th}		IEC/EN	A	25
		UL/CSA	A	30
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)		10kA	A	25
		15kA	A	25
		25kA	A	25
Rated short time current I_{cw}		1s	kA	400
Conductivity				10/5 mA/V
Operational current I_e IEC/EN				
AC1/AC21A			A	25
AC15		110V	A	16
		220/230V	A	12
		380/400V	A	8
		660/690V	A	2
Rated operational power in AC				
Three-phase AC-3		220/230V	kW	5.5
		380/440V	kW	7.5
		500/690V	kW	7.5
Single-phase AC-3		110V	kW	1.5
		220/230V	kW	3
		380/440V	kW	5.5
Three-phase AC23A		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
Single-phase AC23A		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational current in DC				

DC21A				
	48V	A	25	
	60V	A	25	
	110V	A	4	
	220V	A	0.7	
DC23A (poles in series)				
	24V	A	25 (1)	
	48V	A	25 (2)	
	60V	A	25 (3)	
	110V	A	12 (3)	
	220V	A	10 (4)	
DC13				
	24V	A	25	
	48V	A	20	
	60V	A	16	
	110V	A	1.5	
	220V	A	0.4	
Power dissipation		W	1.1	
Mechanical features				
Terminals screw				M3.5
Tightening torque for terminals max		Nm	0.8	
Conductor size				
AWG - Rigid cable				
	min	AWG	20	
	Max	AWG	10	
AWG - Flexible cable				
	min	AWG	20	
	Max	AWG	12	
Conductor size (IEC) - Flexible cable				
	min	mm ²	0.5	
	Max	mm ²	4	
Conductor size (IEC) - Rigid cable				
	min	mm ²	0.5	
	Max	mm ²	4	
Mechanical life		cycles	5x10 ⁶	
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP	3	
	240V	HP	5	
	480V	HP	10	
	600V	HP	15	
for single-phase motor				
	120V	HP	1.5	
	240V	HP	3	
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
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