

Product designation				Rotary cam switches
Product type designation				7GN32
<b>General characteristics</b>				
Switching diagram				11 - 3-phase motor reversing switch
N° of elements				3
Mounting form				Plastic enclosure with black handle (P)
<b>Contact characteristics</b>				
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	32	
	UL/CSA	A	40	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	32	
	15kA	A	32	
	25kA	A	32	
	50kA	A	32	
Rated short time current $I_{cw}$			1s	A
				800
Conductivity				10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A			A
				32
AC15	110V	A	25	
	220/230V	A	20	
	380/400V	A	10	
	660/690V	A	2	
Rated operational power in AC	Three-phase AC3			
	220/230V	kW	7.5	
	380/440V	kW	11	
	500/690V	kW	11	
	Single-phase AC3			
	110V	kW	2.2	
	220/230V	kW	4	
	380/440V	kW	6.5	
	Three-phase AC23A			
	220/230V	kW	8	
	380/440V	kW	15	
	500/690V	kW	18.5	
Single-phase AC23A				
110V	kW	2.2		
220/230V	kW	4		
380/440V	kW	7.5		

Rated operational current in DC			
DC21A			
	48V	A	32
	60V	A	32
	110V	A	6
	220V	A	0.9
DC23A (poles in series)			
	24V	A	32 (1)
	48V	A	32 (2)
	60V	A	32 (3)
	110V	A	15 (3)
	220V	A	12 (4)
DC13			
	24V	A	32
	48V	A	25
	60V	A	16
	110V	A	3
	220V	A	0.5
Power dissipation		W	1.5
<b>Mechanical features</b>			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
Conductor size			
AWG - Rigid cable			
	min	AWG	16
	Max	AWG	8
AWG - Flexible cable			
	min	AWG	16
	Max	AWG	10
Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
Mechanical life		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	5
	240V	HP	10
	480V	HP	15
	600V	HP	15
for single-phase motor			
	120V	HP	2
	240V	HP	5
<b>Ambient conditions</b>			
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

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

**ETIM classification**

ETIM 8.0

EC001105 - Off-load switch