

Product designation	Rotary cam switches
Product type designation	7GN32
<b>General characteristics</b>	
Switching diagram	07 - ON/OFF switch 3 poles
N° of elements	2
Mounting form	U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers
<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 kA 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 AC-3	220/230V kW 7.5 380/440V kW 11 500/690V kW 11
Single-phase AC-3	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

Mechanical features

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>

UL technical data

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

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

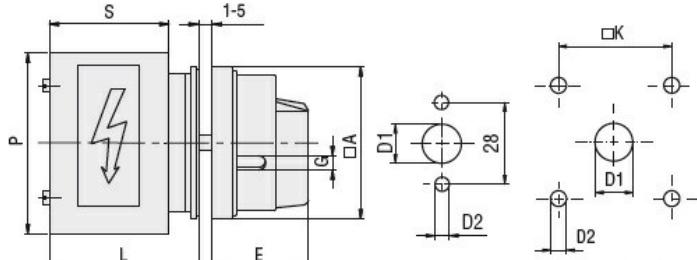
min °C -40  
max °C +70

Resistance & Protection

Frontal IP degree IP40

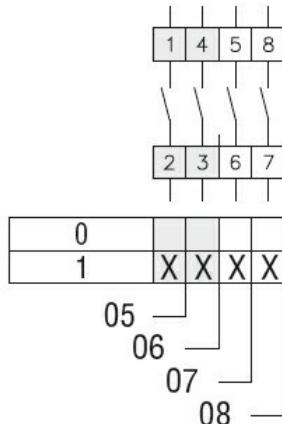
Terminals IP degree IP00

Dimensions



Series	Dimensions								
	□A	D1	D2	E	G	□K	S	P	L
7GN12	65	12	5	34.2	5	36	43	64	54.3
7GN20	65	12	5	34.2	5	36	43	64	54.3
7GN25	65	12	5	34.2	5	36	51	68	62.6
7GN32	65	14	5	38	6	48	55	77	71.7
7GN40	65	14	5	38	6	48	55	77	71.7

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