

Product designation			Rotary cam switches	
Product type designation			7GN40	
General characteristics				
Switching diagram			07 - ON/OFF switch 3 poles	
N° of elements			2	
Mounting form			O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers	
Contact characteristics				
Rated insulation voltage Ui			IEC/EN UL/CSA	V V 690 600
Rated impulse withstand voltage Uimp			kV	6
Conventional free air thermal current Ith			IEC/EN UL/CSA	A A 40 50
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection In (gG)			10kA 15kA 25kA 50kA 63kA	A A A A A 40 40 40 40 40
Rated short time current Icw			1s	kA 1000
Conductivity			10/5 mA/V	
Operational current Ie IEC/EN				
AC1/AC21A			A	40
AC15			110V 220/230V 380/400V 660/690V	A A A A 25 22 12 2
Rated operational power in AC				
Three-phase AC-3			220/230V 380/440V 500/690V	kW kW kW 8 15 15
Single-phase AC-3			110V 220/230V 380/440V	kW kW kW 3 6.5 8
Three-phase AC23A			220/230V 380/440V 500/690V	kW kW kW 8 18.5 22

Single-phase AC23A

110V	kW	3
220/230V	kW	6
380/440V	kW	11

Rated operational current in DC

DC21A

48V	A	40
60V	A	40
110V	A	6
220V	A	0.9

DC23A (poles in series)

24V	A	40 (1)
48V	A	40 (2)
60V	A	40 (3)
110V	A	20 (3)
220V	A	12 (4)

DC13

24V	A	40
48V	A	32
60V	A	16
110V	A	3

Power dissipation

W	2.0
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Mechanical features

Terminals screw

M4

Tightening torque for terminals max

Nm	1.2
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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 ²	1.5
Max	mm ²	6

Conductor size (IEC) - Rigid cable

min	mm ²	1.5
Max	mm ²	10

Mechanical life

cycles	5x10 ⁶
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UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	5
240V	HP	10
480V	HP	20
600V	HP	20

for single-phase motor

120V	HP	2
240V	HP	5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

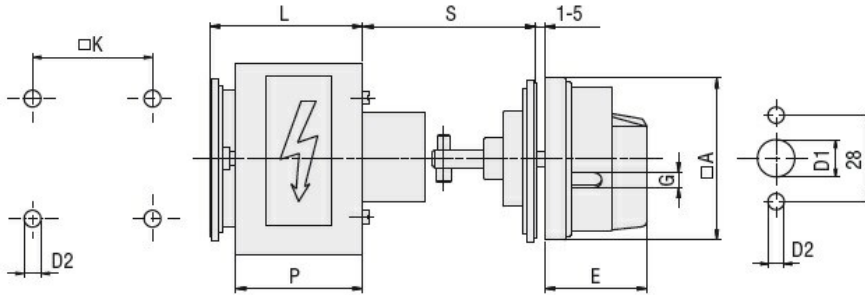
Storage temperature

min °C -40
max °C +70

Resistance & Protection

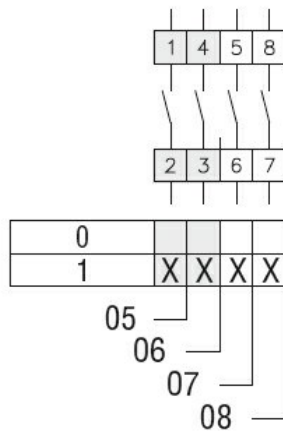
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	Dimensions								
	□A	D1	D2	E	G	□K	S	P	L
7GN12	65	12	5	34.2	5	36	45-55	43	51.3
7GN20	65	12	5	34.2	5	36	45-55	43	51.3
7GN25	65	12	5	34.2	5	36	45-55	51	59.6
7GN32	65	14	5	38	6	48	45-55	55	68.7
7GN40	65	14	5	38	6	48	45-55	55	68.7

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