



Product designation	Rotary cam switches		
Product type designation	7GN40		
<b>General characteristics</b>			
Switching diagram	91 - ON/OFF switch 2 poles		
N° of elements	1		
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	40
	UL/CSA	A	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	40
	15kA	A	40
	25kA	A	40
	50kA	A	40
	63kA	A	40
Rated short time current $I_{cw}$	1s	kA	1000
	Conductivity 10/5 mA/V		
Operational current $I_e$ IEC/EN	AC1/AC21A		A 40
	AC15		
Rated operational power in AC	110V	A	25
	220/230V	A	22
	380/400V	A	12
	660/690V	A	2
	Three-phase AC-3		
Rated operational power in AC	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3			

	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
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Three-phase AC23A			
	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
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Single-phase AC23A			
	110V	kW	3
	220/230V	kW	6
	380/440V	kW	11
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Rated operational current in DC			
DC21A			
	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9
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DC23A (poles in series)			
	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)
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DC13			
	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
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Power dissipation		W	2.0
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<b>Mechanical features</b>			
Terminals screw			M4
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Tightening torque for terminals max		Nm	1.2
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Conductor size			
AWG - Rigid cable			
	min	AWG	16
	Max	AWG	8
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AWG - Flexible cable			
	min	AWG	16
	Max	AWG	10
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Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
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Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10
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Mechanical life		cycles	5x10 <sup>6</sup>
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<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20
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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**

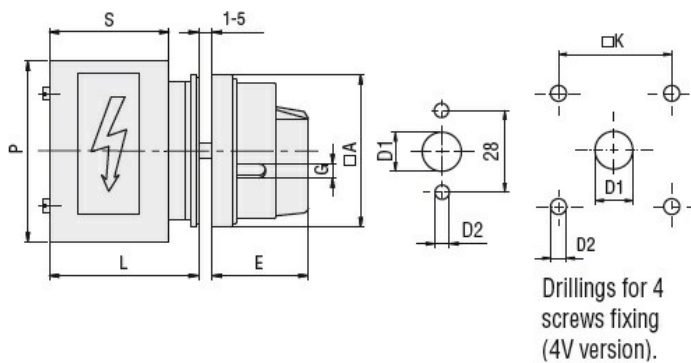
Frontal IP degree

IP40

Terminals IP degree

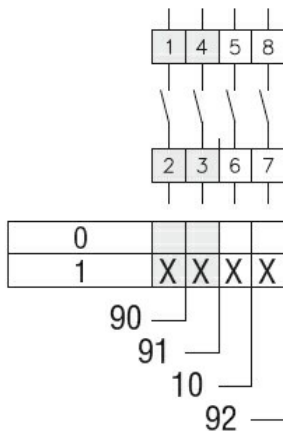
IP00

**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

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Certificates

cCSAus

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EAC

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UL

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete