



Product designation	Rotary cam switches		
Product type designation	7GN12		
<b>General characteristics</b>			
Switching diagram	10 - 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		
<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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16
	15kA	A	10
	25kA	A	10
Rated short time current $I_{cw}$		1s	A
			200
Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		A
			16
AC15	110V	A	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.8

	220/230V	kW	1.5
	380/440V	kW	2.2
<hr/>			
Three-phase AC23A	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
<hr/>			
Single-phase AC23A	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
<hr/>			
Rated operational current in DC			
DC21A	48V	A	12
	60V	A	12
	110V	A	4
	220V	A	0.6
	440V	A	0.25
<hr/>			
DC23A (poles in series)	24V	A	10 (1)
	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
<hr/>			
DC13	24V	A	12
	48V	A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	A	0.15
<hr/>			
Power dissipation		W	0.8
<b>Mechanical features</b>			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
<hr/>			
Conductor size			
AWG - Rigid cable	min	AWG	20
	Max	AWG	12
<hr/>			
AWG - Flexible cable	min	AWG	20
	Max	AWG	14
<hr/>			
Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	2.5
<hr/>			
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	2.5
<hr/>			
Mechanical life		cycles	3x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	1.5
	240V	HP	3
<hr/>			
for single-phase motor			

120V	HP	0.5
240V	HP	1

**Ambient conditions**

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

**Resistance & Protection**

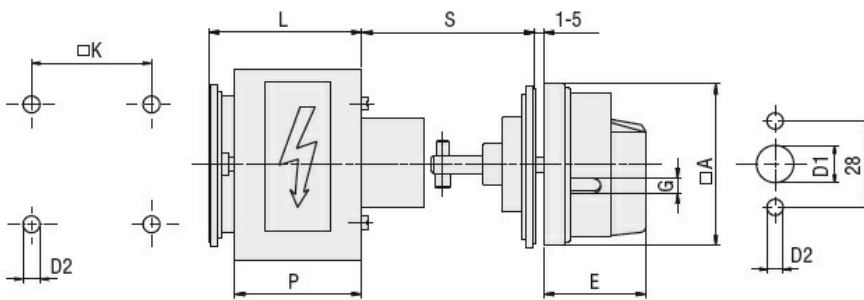
Frontal IP degree

IP40

Terminals IP degree

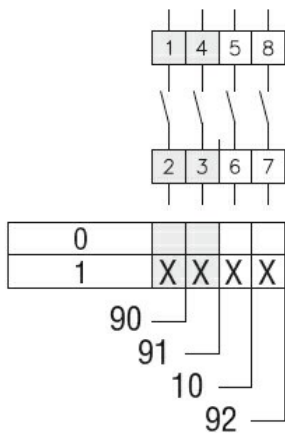
IP00

**Dimensions**



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