



Product designation			Rotary cam switches		
Product type designation			7GN12		
General characteristics					
Switching diagram			92 - ON/OFF switch 4 poles		
N° of elements			2		
Mounting form			U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers		
Contact characteristics					
Rated insulation voltage Ui			IEC/EN	V	690
			UL/CSA	V	600
Rated impulse withstand voltage Uimp				kV	6
Conventional free air thermal current Ith			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 In (gG)			10kA	A	16
			15kA	A	10
			25kA	A	10
Rated short time current Icw			1s	kA	200
Conductivity			10/5 mA/V		
Operational current Ie 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
Three-phase AC23A		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
Single-phase AC23A		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational current in DC				
DC21A		48V	A	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
DC23A (poles in series)		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
DC13		24V	A	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
Conductor size				
AWG - Rigid cable		min	AWG	20
		Max	AWG	12
AWG - Flexible cable		min	AWG	20
		Max	AWG	14
Conductor size (IEC) - Flexible cable		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
Conductor size (IEC) - Rigid cable		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data				
Motor power for direct-on-line control				
for three-phase motor		120V	HP	1.5
		240V	HP	3
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

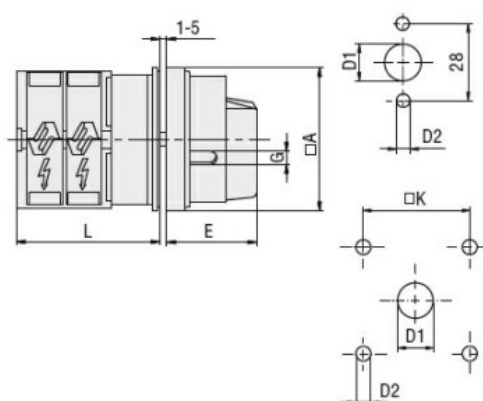
Frontal IP degree

IP40

Terminals IP degree

IP00

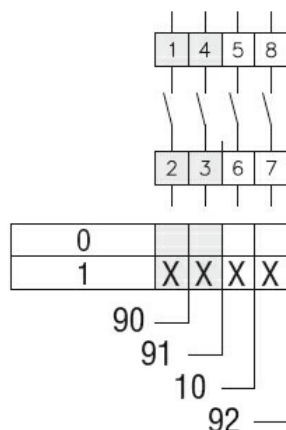
### Dimensions



Standard drillings for 7GN125.  
Drillings on request for 4 screws fixing (4V version).

Series	Dimensions						L			
	□A	D1	D2	E	G	□K	1	2	3.....12	
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

### 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

