



Product designation			Rotary cam switches
Product type designation			7GN125
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	125
	UL/CSA	A	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current Icw			
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
	AC1/AC21A		
		A	125
	AC15		
	110V	A	40
	220/230V	A	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC			
	Three-phase AC-3		
	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
	Single-phase AC-3		

		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Three-phase AC23A				
		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
Single-phase AC23A				
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational current in DC				
DC21A				
		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
DC23A (poles in series)				
		24V	A	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V	A	50 (3)
		220V	A	20 (4)
DC13				
		24V	A	125
		48V	A	100
		60V	A	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw		M2X5		
Tightening torque for terminals max			Nm	2
Conductor size				
AWG - Rigid cable				
		min	AWG	14
		Max	AWG	1/0
AWG - Flexible cable				
		min	AWG	14
		Max	AWG	1/0
Conductor size (IEC) - Flexible cable				
		min	mm ²	2.5
		Max	mm ²	50
Conductor size (IEC) - Rigid cable				
		min	mm ²	2.5
		Max	mm ²	50
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
for single-phase motor				

120V	HP	5
240V	HP	15

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

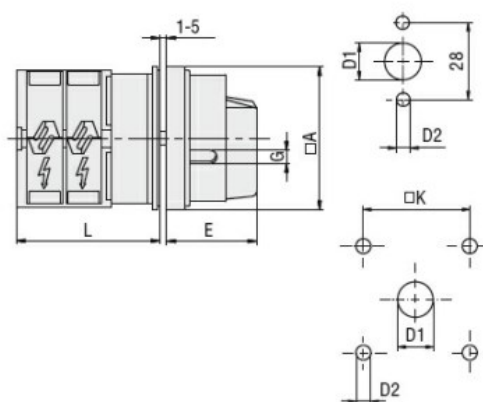
Frontal IP degree

IP40

Terminals IP degree

IP00

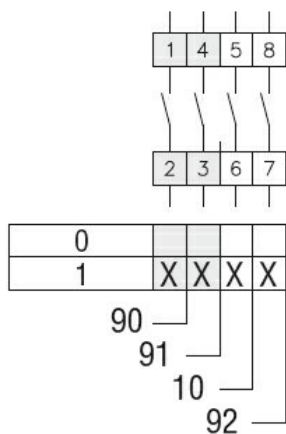
Dimensions



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

EAC

UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch