

Product designation				Rotary cam switches
Product type designation				7GN125
<b>General characteristics</b>				
Switching diagram				07 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				U65 - 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	125	
	UL/CSA	A	130	
Rated operational voltage			V	690
Rated operational impulse voltage			kV	6
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	125	
	15kA	A	100	
	25kA	A	100	
	50kA	A	100	
	63kA	A	100	
Rated short time current $I_{cw}$			1s	kA
				2100
Conductivity				10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A			A
	AC15			A
Rated operational power in AC			110V	A
			220/230V	A
			380/400V	A
			660/690V	A
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				

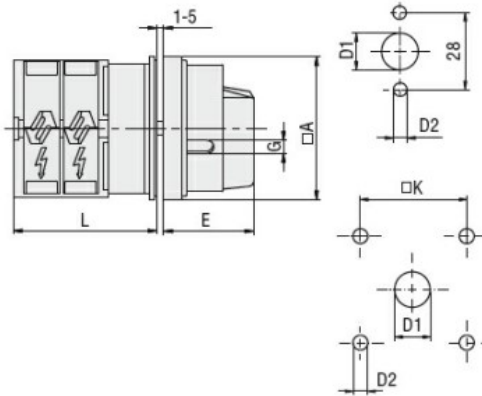
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
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Rated operational current in DC			
DC21A			
	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
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DC23A (poles in series)			
	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
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DC13			
	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
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Power dissipation		W	6.3
<b>Mechanical features</b>			
Terminals screw			M2X5
Tightening torque for terminals max		Nm	2
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Conductor size			
AWG - Rigid cable			
	min	AWG	14
	Max	AWG	1/0
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AWG - Flexible cable			
	min	AWG	14
	Max	AWG	1/0
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Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
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Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
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Mechanical life		cycles	1X10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	15
	240V	HP	25
	480V	HP	50
	600V	HP	40
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for single-phase motor			
	120V	HP	5
	240V	HP	15
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<b>Ambient conditions</b>			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
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Storage temperature			

min °C -40  
max °C +70

**Resistance & Protection**

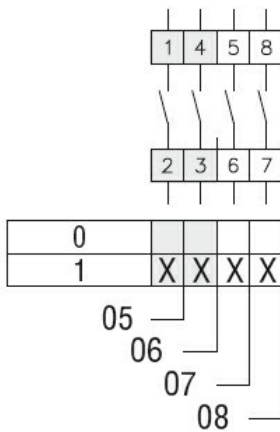
Frontal IP degree	IP40
Terminals IP degree	IP00

**Dimensions**



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

EC001029 -  
Selector switch,  
complete