

## **7GN6310U65** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 63A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



Product designation			Rotary cam
-			switches
Product type designation			7GN63
General characteristics			
Switching diagram			10 - ON/OFF switch 3 poles
N° of elements			2
			U65 - Front
			mounting with
Mounting form			red/yellow handle
Mounting form			padlockable in 0
			and protection
			covers
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	600
	UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/CSA	kV	6
Conventional free air thermal current Ith		ΚV	0
	IEC/EN	А	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	63
	15kA	А	63
	25kA	А	63
	50kA	А	63
	63kA	Α	63
Rated short time current Icw			
	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1045		A	63
AC15	1101/	۸	22
	110V 220/230V	A	32
	220/230V 380/400V	A A	25 15
	660/690V	A	4
Rated operational power in AC	000,000 V	~~	
Three-phase AC-3			
	220/230V	kW	11
	380/440V	kW	18.5
	500/690V	kW	18.5
Single-phase AC-3			

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		110V	kW	3.7
		220/230V	kW	6.5
		380/440V	kW	11.5
	Three-phase AC23A			
	·······	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A	300/030 V		50
	Single-phase AC25A	110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational cur				
	DC21A			
		48V	A	63
		60V	А	50
		110V	A	8
		220V	Α	1
	DC23A (poles in series)			
		24V	А	50 (1)
		48V	А	50 (2)
		60V	А	50 (3)
		110V	А	25 (3)
		220V	А	15 (4)
	DC13			
	5010	24V	А	63
		48V	A	40
		40V 60V	A	28
		110V	A	3.3
Dower dissinction		1100		
Power dissipation			W	3.4
Mechanical features				ME
Terminals screw				M5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	16
Mechanical life		τιάλ	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	
Motor power for direct	t-on-line control			
wotor power for allect				
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			

for single-phase motor

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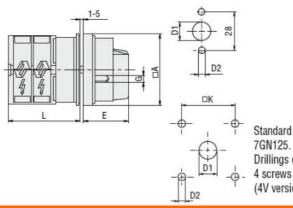
		120V	HP	3
		240V	HP	10
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ction			
Frontal IP degree				IP40
Terminals IP degree	9			IP00
Discounting				

Standard drillings for

Drillings on request for

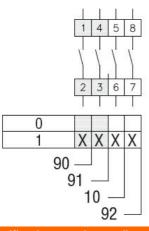
4 screws fixing (4V version).

#### Dimensions



Series	Dimensions			L						
Selles	□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

Com	pliance

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		EC001105 - Off-
		load switch

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