



**ENERGY AND AUTOMATION** 

7GN2008U65

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Droduct decimation			Rotary cam
Product designation			switches
Product type designation  General characteristics			7GN20
Switching diagram			08 - 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			
Nateu Insulation voitage of	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational voltage	UL/C3A		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			-
	10kA	Α	20
	15kA	Α	16
Detect of the out time of a consent law.	25kA	A	16
Rated short time current Icw	1s	kA	250
Conductivity		10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
Dated anarational names in AC	660/690V	Α	1.5
Rated operational power in AC Three-phase AC-3			
Tillee-pilase AC-3	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
Three-phase AC23A	380/440V	kW	3
mice-pilase AOZOA	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	2.5





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		380/440V	kW	3.7
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)		_	(1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	B040	220V	A	8 (4)
	DC13	241/	۸	20
		24V 48V	A	20
		48 V 60 V	A	16
			A	12
		110V	A	1
		220V	A	0.4
Dower dissination		440V	A W	0.15
Power dissipation  Mechanical features			VV	0.8
Terminals screw				M3
Tightening torque for to	orminals may		Nm	0.5
Conductor size	enninais max		INIII	0.5
Conductor Size	AWG - Rigid cable			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	7,,,,	12
	AVVO T TEXABLE CABLE	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIOX	71110	
	Conductor Cizo (120) Trovibre cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	T.I.O.K		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			- ,	
Motor power for direct-	-on-line control			
	for three-phase motor			
	•	120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
	for single-phase motor	120V	HP	0.75
	for single-phase motor	120V 240V	HP HP	0.75 2
Ambient conditions	for single-phase motor			
Ambient conditions Temperature	for single-phase motor			
	for single-phase motor  Operating temperature			
		240V	HP	2



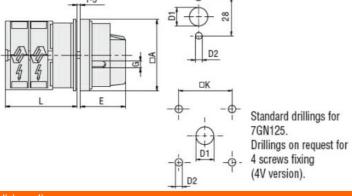


Resistance & Protection
Frontal IP degree
Terminals IP degree

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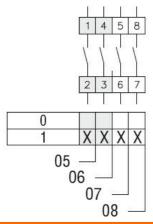
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

## **Dimensions**



Carias	Dimensions					L				
Series	□A	D1	D2	Е	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** 

EC001105 - Offload switch