

ENERGY AND AUTOMATION

7GN2005U65

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Product designation				Rotary cam
· ·				switches
Product type designation General characteristics				7GN20
				05 - ON/OFF
Switching diagram				switch 1 pole
N° of elements				1
				U65 - Front
				mounting with
Mounting form				red/yellow handle padlockable in 0
				and protection
				covers
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air th	ermal current Ith	IEO/EN	٨	20
		IEC/EN UL/CSA	A	20 20
Rated operational volta	an an	UL/CSA	A V	480
Rated operational impu			kV	4
	short-circuit protection In (gG)		ΚV	
Waxiiiiaiii 1430 3i20 10i	Short direction in (ge)	10kA	Α	20
		15kA	Α	16
		25kA	Α	16
Rated short time currer	nt Icw			
		1s	Α	250
Conductivity				10/5 mA/V
Operational current le I				
	AC1/AC21A			
			Α	20
	AC15	440\/	^	10
		110V 220/230V	A A	10
		380/400V	A	8 6
		660/690V	A	1.5
Rated operational power	er in AC			
	Three-phase 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 AC22A	380/440V	kW	3
	Three-phase AC23A	220/230V	kW	5
		380/440V	kW	5 7.5
		500/690V	kW	7.5 7.5
	Single-phase AC23A	230,000 4		
		110V	kW	0.8



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		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cur	rent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1101	W	0.8
Mechanical features			V V	0.0
Terminals screw				M3
Tightening torque for t	terminals may		Nm	0.5
Conductor size	errillias max		INIII	0.0
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AVVG	12
	AWG - Flexible cable		AWG	20
		min May		20
	O	Max	AWG	14
	Conductor size (IEC) - Flexible cable		2	o =
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
•	Operating temperature			
		min	°C	-25

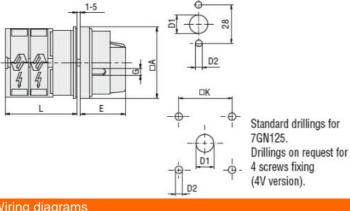




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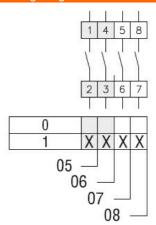
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	

Dimensions



Series	Dimensions					L				
	□A	D1	D2	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

Certificates

cCSAus EAC UL

UL60947-4-1

ETIM classification

ETIM 8.0

EC001105 - Offload switch