

7GN2005U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

				Determinen
Product designation				Rotary cam switches
Product type designat				7GN20
General characteristic	S			05 - ON/OFF
Switching diagram				switch 1 pole
N° of elements				1
				U12 - Front
				mounting without
Mounting form				front plate with key operation for
				hole diam. 22mm
				fixing
Contact characteristics				
Rated insulation voltag	je Ui		.,	
		IEC/EN	V	690
Batad impulse withoto	nd voltogo Llimp	UL/CSA	V kV	<u>600</u> 6
Rated impulse withsta Conventional free air th			ΚV	0
Conventional free all ti		IEC/EN	А	20
		UL/CSA	A	20
Rated operational volta	age		V	480
Rated operational imp	-		kV	4
Maximum fuse size for	r short-circuit protection In (gG)			
		10kA	А	20
		15kA	А	16
		25kA	A	16
Rated short time curre	Int Icw	10	L۸	250
Conductivity		1s	kA	250 10/5 mA/V
Operational current le	IEC/EN			10/3 IIIA/ V
oporational outront to	AC1/AC21A			
			А	20
	AC15			
		110V	А	10
		220/230V	A	8
		380/400V	A	6
Rated operational pow	ior in AC	660/690V	A	1.5
Raleu operational pow	Three-phase AC-3			
	Thee-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
		380/440V	kW	3
	Three-phase AC23A	220/2201/	L\\/	F
		220/230V 380/440V	kW kW	5 7.5
		500/690V	kW	7.5
	Single-phase AC23A	200,000 V		
		110V	kW	0.8
		220/230V	kW	2.5

7GN2005U12

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ENERGY AND AUTOMATION

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		380/440V	kW	3.7
Rated operational cu				
	DC21A			
		48V	А	20
		60V	A	20
		110V	A	4
		220V	А	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				010
Terminals screw				M3
Tightening torque for	r terminals may		Nm	0.5
Conductor size			INIII	0.0
	ANAC . Bigid apple			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable		A. M.C	00
		min	AWG	20
	Openductor size (IEO) Elevities achie	Max	AWG	14
	Conductor size (IEC) - Flexible cable		2	0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	-	~	- -
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for dire				
	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
		111111	°C	-20

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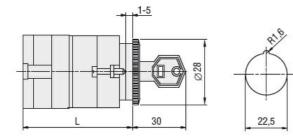
max

+55



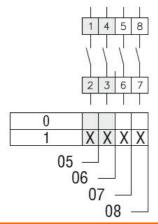
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Cariaa	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

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 - Off- load switch

7GN2005U12