

ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation Product type designation	on			Rotary cam switches 7GN20
General characteristics				7 01120
Switching diagram				11 - 3-phase motor reversing switch
N° of elements				3
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	<u> </u>		kV	6
Conventional free air th	nermal current Ith	IEO/EN	^	00
		IEC/EN UL/CSA	A	20
Dated energtional volta	200	UL/CSA	A V	20 480
Rated operational volta Rated operational impu			kV	4
	short-circuit protection In (gG)		ΚV	<u> </u>
Waxiiiiuiii luse size ioi	Short-circuit protection in (go)	10kA	Α	20
		15kA	A	16
		25kA	Α	16
Rated short time curre	nt Icw	<u> </u>		
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	20
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	A	6
Data dan anational nave	i- AO	660/690V	Α	1.5
Rated operational pow				
	Three-phase AC-3	220/230V	kW	3
		380/440V	kW	5.5
		500/440V	kW	5.5
	Single-phase AC-3	000/0001		
	J - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A			
		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
Dotad anauthous laws	ant in DC	380/440V	kW	3.7
Rated operational curre	ent in DC			





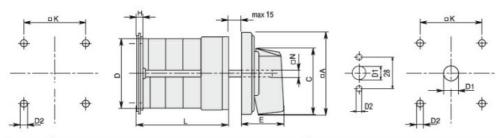
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	DC21A			
	DOZIA	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V		0.25
	DC224 (polos in corios)	440 V	Α	0.23
	DC23A (poles in series)	24V	۸	20 (1)
			A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	DC42	220V	Α	8 (4)
	DC13	0.41/	۸	00
		24V	A	20
		48V	A	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
-		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			_
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	-			
	Conductor size (IEC) - Rigid cable			
	Conductor size (IEC) - Rigid cable	min	mm²	0.5
	Conductor size (IEC) - Rigid cable	min Max	mm² mm²	0.5 2.5
Mechanical life	Conductor size (IEC) - Rigid cable	min Max	mm²	2.5
Mechanical life UL technical data	Conductor size (IEC) - Rigid cable			
UL technical data			mm²	2.5
	on-line control		mm²	2.5
UL technical data		Max	mm² cycles	2.5 5x10 ⁶
UL technical data	on-line control	Max 120V	mm² cycles	2.5 5x10 ⁶
UL technical data	on-line control	120V 240V	mm² cycles HP HP	2.5 5x10 ⁶ 1.5 3
UL technical data	on-line control	120V 240V 480V	mm² cycles HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	on-line control for three-phase motor	120V 240V	mm² cycles HP HP	2.5 5x10 ⁶ 1.5 3
UL technical data	on-line control	120V 240V 480V 600V	mm² cycles HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data	on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75
UL technical data Motor power for direct-o	on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data Motor power for direct-order Ambient conditions	on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75
UL technical data Motor power for direct-o	on-line control for three-phase motor for single-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75
UL technical data Motor power for direct-order Ambient conditions	on-line control for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct-order Ambient conditions	on-line control for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct-order Ambient conditions	on-line control for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct-order Ambient conditions	on-line control for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2



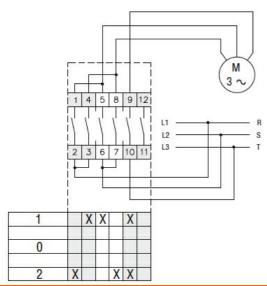
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Series	Dimensions							L Number of elements												
	□A	С	ØD	ØD2	Е	Н	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	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



7GN2011O

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ETIM 8.0

EC001029 -Selector switch, complete