



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary cam switch
Product type designation	on			7GN20
General characteristics				
Switching diagram				26 - 3-phase motor reversing switch with spring return
N° of elements				3
Mounting form				P25 - Plastic enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air the	ermal current Ith	· • <i>·</i>	_	
		IEC/EN	A	20
		UL/CSA	A	20
Rated operational volta			V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)	401.4	^	00
		10kA 15kA	A	20 16
		25kA	A A	16
Rated short time currer	t low	ZOKA	A	10
Nated Short time currer	it ICW	1s	Α	250
Conductivity		13		10/5 mA/V
Operational current le I	FC/FN			10/3 11/7/ 1
Operational current le i	AC1/AC21A			
	NO I/NOZ IA		Α	20
	AC15		- / (
	7.0.0	110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
		660/690V	Α	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
		380/440V	kW	3
	Three-phase AC23A			_
		220/230V	kW	5
		380/440V	kW	7.5
	Circular above A COOA	500/690V	kW	7.5
	Single-phase AC23A	4401	1-7.67	0.0
		110V	kW	0.8
		220/230V	kW	2.5





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		380/440V	kW	3.7
Rated operational curre	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	Α	20 (1)
		48V	Α	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	D010	220V	Α	8 (4)
	DC13	241/	۸	20
		24V	A	20
		48V 60V	A	16
			A	12
		110V	A	1
		220V	A	0.4
Dower dissinction		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	Hillinais Illax		INIII	0.5
Conductor Size	ANAC Digid coble			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AVVG	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	14
	Conductor Size (IEC) - I lexible cable			
		min	mm ²	0.5
		min Max	mm² mm²	0.5 2.5
	Conductor size (IEC) - Rigid cable	min Max	mm² mm²	0.5 2.5
	Conductor size (IEC) - Rigid cable	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5
Mechanical life	Conductor size (IEC) - Rigid cable	Max	mm² mm² mm²	2.5 0.5 2.5
Mechanical life UL technical data	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5
UL technical data		Max min	mm² mm² mm²	2.5 0.5 2.5
	-on-line control	Max min	mm² mm² mm²	2.5 0.5 2.5
UL technical data		Max min Max	mm² mm² mm² cycles	2.5 0.5 2.5 5x10 ⁶
UL technical data	-on-line control	Max min Max	mm² mm² mm² cycles	2.5 0.5 2.5 5x10 ⁶
UL technical data	-on-line control	Max min Max 120V 240V	mm² mm² cycles	2.5 0.5 2.5 5x10 ⁶ 1.5 3
UL technical data	-on-line control	Max min Max 120V 240V 480V	mm² mm² cycles	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	-on-line control for three-phase motor	Max min Max 120V 240V	mm² mm² cycles	2.5 0.5 2.5 5x10 ⁶ 1.5 3
UL technical data	-on-line control	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data	-on-line control for three-phase motor	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data Motor power for direct-	-on-line control for three-phase motor	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data Motor power for direct-	-on-line control for three-phase motor	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
UL technical data Motor power for direct-	-on-line control for three-phase motor	Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP HP	2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10





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Storage temperature

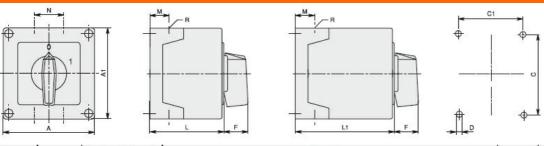
min °C -40 max °C +70

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RACIC	tance (X. L	ירחזי	יםםי	tion
1 (6313	tarioc	σ.	10		иоп

Frontal IP degree IP65

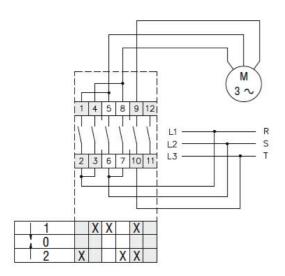
Terminals IP degree IP00

Dimensions



Series	Enclosure	Number o	f elements	Dimensions					180	Cable	Protection				
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20]	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0.000	14000					20000					/00000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4												
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	30.4	03	4.5	32	21	39.3	00.0	119.5	47.021	1100
7GN40		1 - 2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												63.
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	1100
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63]	1 - 3	4 - 6	100	234	120	190	5.5	32	35	10	121	1/5	2xPG11	11-05
7GN125		1-2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3



7GN2026P25

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IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete