



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			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 Ui			
	IEC/EN	V	690
Detail in our dear with stead of calle as I lines	UL/CSA	V	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		kV	6
Conventional free air thermal current ith	IEC/EN	۸	20
	UL/CSA	A A	20
Rated operational voltage	OLICOA		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	<u> </u>
(90)	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current lcw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		_	
1015		Α	20
AC15	110V	۸	10
	220/230V	A A	10 8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power 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
TI 1 0000	380/440V	kW	3
Three-phase AC23A	220/220\/	[-\ <b>\</b> \	5
	220/230V	kW	5
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	300/0907	r. v v	1.5
Sillyle-pliase AO23A	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7





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Rated operational cu	rrent in DC			
rated operational ou	DC21A			
	DOZ 171	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	
				0.6
	DOOM (selection)	440V	Α	0.25
	DC23A (poles in series)	0.417		00 (4)
		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	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
	tamain ala many		Nine	
Tightening torque for	terminais 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			
	30.1.4.4.1.5. 3.1.2.5 (1.2.5) 1.1.9.4.5.4.5	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		Wich	cycles	5x10 <sup>6</sup>
UL technical data			Cyclos	3710
	et en line central			
Motor power for direct				
	for three-phase motor	4001		4.5
		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			
	operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	IIIaX		ruu
	Storage temperature			





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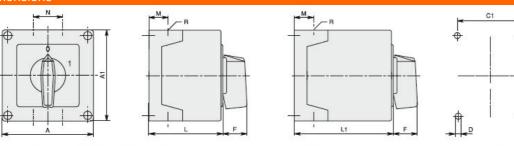
min °C -40 max °C +70

₹	esi	sta	and	ce	&	P	roi	ect	tion

Frontal IP degree IP65

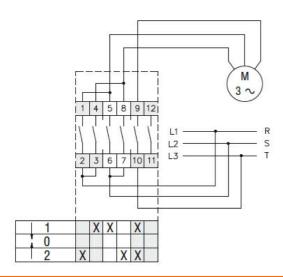
Terminals IP degree IP00

## **Dimensions**



Series	Enclosure	Number of	f elements	Dimensions									Cable	Protection	
Selles	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	00000		0.000	100000	10000000	2000	100000				200000000000000000000000000000000000000	124000000
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			3.55				337.55					30.00.5550
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	00	4.5	32	21	39.3	05.5	119.5	41/421	1100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	2	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							N.	L.				
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	204	120	190	5.5	32	33	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

IEC/EN/BS 60947-5-1



## 7GN2026P25

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Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete