



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 1-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			25 - 1-phase motor reversing switch with spring return
N° of elements			2
Mounting form			P25 - Plastic enclosure with red/yellow handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Detail and the Market Latter at Pro-	UL/CSA	V	600
Rated impulse withstand voltage Uimp		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			00
A 0.4.5		A	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	33373334	- , ,	
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	380/440V	kW	3
Three-phase AC23A	220/2201/	<b>/</b> \/\	5
	220/230V 380/440V	kW kW	5 7.5
	500/690V	kW	7.5 7.5
Single-phase AC23A	300/030 V	17.4.4	7.0
Ciligio pridos AGESA	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7





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Rated operational cur				
	DC21A	40)/		00
		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
	DOOM (salas is as is a)	440V	Α	0.25
	DC23A (poles in series)	0.41/	Δ.	00 (4)
		24V	A	20 (1)
		48V	A	20 (2)
		60V 110V	A	20 (3)
		220V	A A	10 (3)
	DC13	220 V	A	8 (4)
	DC13	241/	۸	20
		24V 48V	A	20 16
		60V	A A	12
		110V	A	12
		220V	A	0.4
		220V 440V	A	0.4 0.15
Power dissination		440 V	W	0.15
Power dissipation lechanical features			VV	0.0
erminals screw				M3
	torminals may		Nm	0.5
Fightening torque for	terminals max		INIII	0.5
Conductor size	ANA/O Distil calla			
	AWG - Rigid cable		A1A/O	00
		min	AWG	20
	AVAICA Flavible askla	Max	AWG	12
	AWG - Flexible cable		A1A/C	20
		min Max	AWG	20
	On the transit (IFO) Florible and I	Max	AWG	14
	Conductor size (IEC) - Flexible cable	min	mama <sup>2</sup>	0 F
		min Mov	mm²	0.5
	Conductor size (IEC) Digid coble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	min	m.m.2	0.5
		min Mov	mm²	0.5
Asshanical life		Max	mm²	2.5 5×106
Mechanical life  JL technical data			cycles	5x10 <sup>6</sup>
	t-on-line control			
	t-on-line control for three-phase motor	1201/	UD	1.5
		120V	HP up	1.5
		240V	HP	3
		240V 480V	HP HP	3 7.5
	for three-phase motor	240V	HP	3
		240V 480V 600V	HP HP HP	3 7.5 10
	for three-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Notor power for direc	for three-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Motor power for direc	for three-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Motor power for direc	for three-phase motor  for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Motor power for direc	for three-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 7.5 10 0.75 2
Motor power for direct  Ambient conditions  Temperature	for three-phase motor  for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10



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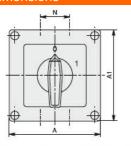
min °C -40 max °C +70

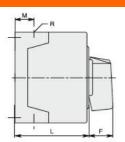
Resistance & Protection

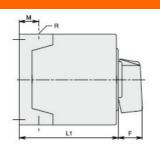
Frontal IP degree IP65

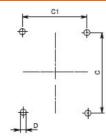
Terminals IP degree IP00

## **Dimensions**



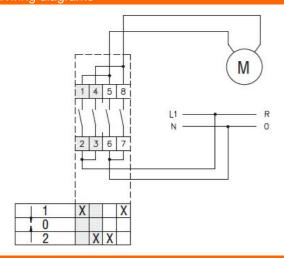






Series	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	]	1-3	4 - 6	0.000		0.00	100000	10000000	2000	100000				200000000000000000000000000000000000000	100000000000000000000000000000000000000
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							337.55					31-30-34-17
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	00.0	119.5	47.5021	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												101
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	173	140	112	0.0	32	21	00	04.0	110.5	2xPG11	11 00
7GN125		1	2							,					
7GN32	180x254	1 - 5	6 - 8												
7GN40	1	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	130	0.0	02	33	,,,	121	1/3	2xPG11	11 00
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

Certificates

EAC



**ENERGY AND AUTOMATION** 

## 7GN2025P25

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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete