



## ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN12
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
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	16
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection	In (gG)		
	10kA	Α	16
	15kA	Α	10
	25kA	Α	10
Rated short time current Icw			
	1s	Α	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
<del></del>	500/690V	kW	5.5
Single-phase AC-3	440)/	1.147	0.0
	110V	kW	0.8
	220/230V	kW	1.5
Three whose ACCOA	380/440V	kW	2.2
Three-phase AC23A	220/2201/	1,111	2
	220/230V	kW	3
	380/440V	kW	5.5 7.5
Single phase ACCCA	500/690V	kW	7.5
Single-phase AC23A		F/V/	0.8
	110V 220/230V	kW kW	0.8 1.7
	220/230 V	IX V V	1.1





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		380/440V	kW	3
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	0.07		40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
	D040	220V	Α	5 (4)
	DC13	241/	٨	40
		24V	A	12
		48V	A	10
		60V 110V	A	8
			A	1
		220V	A	0.4
Dower discination		440V	A W	0.15
Power dissipation			VV	0.8
Mechanical features				MO
Terminals screw Tightening torque for te	arminala may		Nm	M3 0.5
Conductor size	eminas max		INIII	0.5
Conductor Size	AWC Digid apple			
	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) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.5
	Conductor Size (IEO) - Mylu Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVICA	cycles	3x10 <sup>6</sup>
UL technical data			oyules	
Motor power for direct-	on-line control			
otor powor for direct-	for three-phase motor			
	ioi alioo piidoo iiiotoi	120V	HP	1.5
		240V	HP	3
	for single-phase motor	Z-T-0 V		
	ioi singio pridocifictor	120V	HP	0.5
		240V	HP	1
Ambient conditions		2.00		· 
Temperature				
. s.nporataro	Operating temperature			
	operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	тих		
	-13.3go tomporataro	min	°C	-40
		111111		



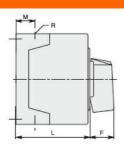
**ENERGY AND AUTOMATION** 

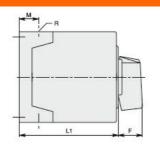
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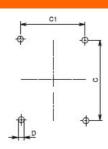
max °C +70

Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP00

# Dimensions

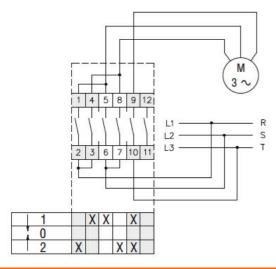






Series	Enclosure size	Number o	f elements	Dimensions							Cable	Protection			
		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	]	1-3	4 - 6		0.000					200000					
7GN25	]	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4		C+0.0			40000				35.6000000			
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4×D001	IP65
7GN32	]	1-3	4 - 5	110	110	90.4	63	4.5	32	21	39.5	65.5	119.5	4xPG21	IPOS
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	0.0000000000000000000000000000000000000	1 - 2	3 - 4	105	175	140	440		32	21	68	040	1100	4xPG21	IDCE
7GN63	1	1 - 2	3 - 4	125	1/5	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		32	25	70	404	475	4xPG29	IDOF
7GN63		1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
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



#### 7GN1226P25

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EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete