

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5-6, 1 POLE 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product type designation	Product designation				Enclosed rotary
Semental characteristics	-	e			
Switching diagram 85 - Multi-step 1- 2-3-4-6 1 pole N° of elements 3 Mounting form P - Plastic enclosure with black handle Contact characteristics Rated insulation voltage Ui Each of multiple withstand voltage Uimp KV 600 Rated impulse withstand voltage Uimp KV 6 Conventional free air thermal current lth IEC/EN A 16 Conventional free air thermal current lth IEC/EN A 16 Rated operational voltage kV 4 4 Rated operational impulse voltage kV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 16 1					/GN12
Mounting form P - Plastic enclosure with black handle		-			•
Mounting form	N° of elements				
Contact characteristics					
Rated insulation voltage Ui	Mounting form				
Rated insulation voltage Uin	Contact characteristic	a			black nandle
IEC/EN V 690					
Rated impulse withstand voltage Uimp	, tatou illoulation rolla,	90 0.	IEC/EN	V	690
Rated impulse withstand voltage Uimp					
Conventional free air thermal current lth	Rated impulse withsta	and voltage Uimp	0200.1		
IEC/EN		·			
Rated operational voltage	Conventional free all t	anomal surrent tur	IEC/EN	Δ	16
Rated operational voltage					
Rated operational impulse voltage	Rated operational volt	tane	02/00/(
Maximum fuse size for short-circuit protection In (gG) 10kA		~			
10kA		_		IX V	
15kA	Waxiiiiuiii luse size io	i short-circuit protection in (gG)	1064	۸	16
Rated short time current Icw					
Rated short time current Icw					
1s	Datad short time ourre	ant law	ZJKA		10
Conductivity	Rated Short time curre	ent icw	10	LΛ	200
Operational current le IEC/EN	Conductivity		18	KA	
AC1/AC21A AC15 T10V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 Three-phase AC-3 Three-phase AC23A 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Three-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 0.8 220/230V kW 1.7 380/440V kW 0.8		IFC/FNI			10/5 IIIA/V
A 16 AC15 110V A 10 220/230V A 8 380/400V A 1.5 Rated operational power in AC Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.5 380/440V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.5 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 0.8	Operational current le				
AC15 110V		ACT/ACZTA		۸	16
110V		A C 4 F		A	10
220/230V		ACTS	110\/	۸	10
Single-phase AC23A Single-					-
Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3					
Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5					
Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5	Pated operational pov	wor in AC	000/090 V		1.0
220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3	Kateu operational pov				
380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3		Tillee-pilase AU-3	220/2201/	L///	2.5
Single-phase AC-3					
Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 0.8 220/230V kW 1.7 380/440V kW 3					
110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3		Single phase AC 2	300/090V	r v v	J.J
220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3		Single-phase AC-3	440\/	J-\^/	0.0
380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3					
Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3					
220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3		Three phase AC22A	300/440 V	KVV	۷.۷
380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3		тпее-рпаѕе АС23А	220/2201/	L\\/	2
500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3					
Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3					
110V kW 0.8 220/230V kW 1.7 380/440V kW 3		Single phase AC22A	500/090V	KVV	ι.υ
220/230V kW 1.7 		Single-phase AC23A	440\/	12101	0.0
380/440V kW 3					
	Pated operational curr	ront in DC	300/4407	r. v v	J





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	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	A	0.6
	20004 (1 1 1 1)	440V	A	0.25
	DC23A (poles in series)	0.41/	Δ.	40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V 220V	A	5 (3)
	DC13	220 V	Α	5 (4)
	0013	24V	Α	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		220 V 440 V	A	0.4
Power dissipation		440 0	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for te	arminals may		Nm	0.5
Conductor size	Hillias Hax		INIII	0.5
Conductor Size	AWG - Rigid cable			
	AWG - Nigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	7,110	12
	AWG TICKIBIC CUBIC	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIOX	7,1110	
	Conductor Size (IEC) Trovisio dasie	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIOX		2.0
	Conductor Size (IEO) Trigia cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIOX	cycles	3x10 ⁶
UL technical data			Oyolos	OXTO
Motor power for direct-	on-line control			
, and an	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
	3 - F	120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
•	Operating temperature			
	. •	min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protectio	n			



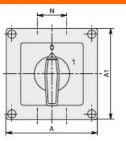
ENERGY AND AUTOMATION

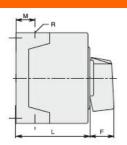
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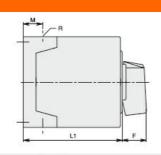
Frontal IP degree IP65

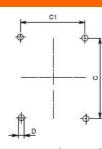
Terminals IP degree IP00

Dimensions



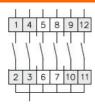






Series	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Series size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	ry degree	
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	00000		0.00	100000	10000000	2000	100000				20051021004-00001	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					30-30-30-17
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	90.4	00	4.5	32	21	39.5	00.0	119.5	437621	100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
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	33	76	121	1/5	2xPG11	1100
7GN125		1 - 2	3 - 4												

Wiring diagrams



1	X					
2			X			
3					X	
4		X			9	
5				Χ		
6						Χ
911				18	25	

Certifications and compliance

Compliance

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

7GN1285P

EC001029 -Selector switch, complete