

# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product type designation   FGN25	Product designation		Rotary cam switches 7GN25		
Switching diagram  N" of elements  N of elements  N' of					7GN25
Mounting form   P - Plastic enclosure with black handle					switch without 0 2
Mounting form   Section	N° of elements				
Rated insulation voltage Ui					enclosure with
IEC/EN   V   690					
Rated impulse withstand voltage Uimp	Rated insulation voltag	e Ui			
Rated impulse withstand voltage Ulimp					
Conventional free air thermal current lth			UL/CSA		
IEC/EN   A   25		· ·		kV	6
Rated operational voltage	Conventional free air th	nermal current Ith	150/51		
Rated operational voltage					
Rated operational impulse voltage   RV   4	Data dan anational colta		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)					
10kA   A   25   15kA   A   25   25kA   A   2		<u> </u>		KV	4
15kA   A   25   25kA   A   25kA   A   25   25kA   A   25kA   25	Maximum ruse size for	short-circuit protection in (gG)	101.0	۸	25
Rated short time current Icw					
Rated short time current lcw					
1s	Rated short time curre	nt low	20171		
Conductivity	reaced short time curre	THE TOW	19	kΔ	400
AC1/AC21A	Conductivity		10	10 (	
AC1/AC21A  AC15  AC15  T110V A 16 220/230V A 12 380/400V A 8 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC-3  110V kW 1.5 220/230V kW 5.5  Three-phase AC23A  220/230V kW 5.5  Three-phase AC23A  220/230V kW 11 500/690V kW 1.5 380/440V kW 11 Single-phase AC23A  110V kW 1.5 220/230V kW 3 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 1.5 220/230V kW 3.7 380/440V kW 5.5		IEC/EN			10/0 1111 4 4
A 25 AC15  AC15  110V A 16 220/230V A 12 380/400V A 8 660/690V A 2  Rated operational power in AC Three-phase AC-3  220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  110V kW 1.5 220/230V kW 11 Single-phase AC23A  110V kW 1.5 220/230V kW 11 Single-phase AC23A  110V kW 1.5 220/230V kW 3 380/440V kW 11 Single-phase AC23A					
AC15    110V   A   16				Α	25
220/230V		AC15			
Single-phase AC23A   Single-			110V	Α	16
Rated operational power in AC Three-phase AC-3  220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 5.5  Three-phase AC23A  220/230V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 11  Single-phase AC23A			220/230V	Α	12
Rated operational power in AC Three-phase AC-3  220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 5.5  Three-phase AC23A  220/230V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5			380/400V	Α	8
Three-phase AC-3  220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5  Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3 380/440V kW 11  Single-phase AC23A			660/690V	Α	2
220/230V   kW   5.5   380/440V   kW   7.5   500/690V   kW   7.5	Rated operational pow	er in AC			
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5		Three-phase AC-3			
Single-phase AC-3   110V   kW   1.5   220/230V   kW   3   380/440V   kW   5.5   5					
Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5					
110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5			500/690V	kW	7.5
220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5		Single-phase AC-3	4.403.4		
380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5					
Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5					
220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5		Three phase AC22A	380/4401	KVV	5.5
380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5		Three-phase AC23A	220/2201/	LAAA	6.5
500/690V kW 11 Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5					
Single-phase AC23A  110V kW 1.5  220/230V kW 3.7  380/440V kW 5.5					
110V kW 1.5 220/230V kW 3.7 380/440V kW 5.5		Single-phase AC23A	300/030 (	17.4.4	11
220/230V kW 3.7 380/440V kW 5.5		Olingio pridoc /1020/1	110\/	k\/\/	1.5
380/440V kW 5.5					
	Rated operational curre	ent in DC			



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	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for te	rminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	Title Tilgia dabie	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	TVICA	7,,,,,	10
	AWG TICKIDIC GADIC	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIOX	7,1110	12
	Conductor size (IEO) - Flexible cable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVICA	111111	
	Conductor Size (ILO) - ragio cable	min	mm²	0.5
		Max	mm²	4
Mechanical life		IVIAA	cycles	5x10 <sup>6</sup>
UL technical data			cycles	3810
Motor power for direct-	on line control			
Motor power for direct-				
	for three-phase motor	120V	HP	2
		120V 240V	HP HP	3 5
		240 V 480 V	HP HP	10
		480 V 600 V	HP HP	15
	for single-phase motor	000 V	ΠĽ	10
	ioi single-phase motol	1201/	UD	1.5
		120V 240V	HP	1.5
Ambient conditions		∠4UV	HP	3
Ambient conditions				
Temperature				
	Operating temperature		° <b>^</b>	25
		min	°C	-25
	<u> </u>	max	°C	+55
	Storage temperature		0.0	40
		min	°C	-40
		max	°C	+70
Resistance & Protectio	n e e e e e e e e e e e e e e e e e e e			

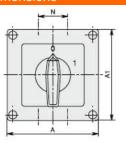
**ENERGY AND AUTOMATION** 

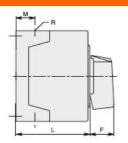
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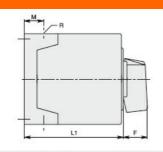
Frontal IP degree IP65

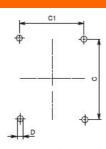
Terminals IP degree IP00

#### **Dimensions**



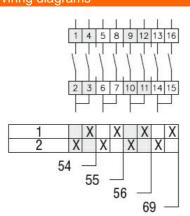






Series	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	2000		0.00	10000	9800000	2000	1500-01	4500		10000000	200 12 12 12 12 12 12 12	
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												3,500,000
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	09.0	00.0	113.5	4/1/021	11 03
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												1/8
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 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63	1	1 - 3	4 - 6	100	204	120	130	0.0	02	00	10	121	175	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

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete