

# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Sement characteristics	Product designation  Product type designation	on			Enclosed rotary cam switch 7GN25
Switching diagram   Swit					7 GINZS
Mounting form   P - Plastic enclosure with black handle					switch without 0 3
Mounting form   Brain State with share of the content of the con	N° of elements				3
Rated insulation voltage Ui	Mounting form				enclosure with
IEC/EN   V   690					
Rated impulse withstand voltage Uimp	Rated insulation voltag	e Ui			
Rated impulse withstand voltage Uimp					
Conventional free air thermal current ith			UL/CSA		
IEC/EN UL/CSA		• •		kV	6
Number   N	Conventional free air th	nermal current Ith			
Rated operational voltage					
Rated operational impulse voltage   RV   4	<del></del>		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)					
10kA   A   25   15kA   A   25   25kA   A   25   22   23kA   A   25   A   25		<u> </u>		KV	4
15kA   A   25   25kA   A   25kA   A   25   25kA   A   25   25kA   A   25kA	Maximum fuse size for	snort-circuit protection in (gG)	401.4	Δ.	0.5
Rated short time current lcw					
Rated short time current Icw					
1s	Pated short time curre	nt low	ZJKA		23
Conductivity	Nated Short time curren	THE ICW	1e	kΔ	400
AC1/AC21A	Conductivity		13	N/A	
AC1/AC21A  A 25  AC15  T10V 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 5.5  Three-phase AC23A  110V kW 1.5 220/230V kW 5.5  Three-phase AC23A  110V kW 1.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A  110V kW 1.5 220/230V kW 3.7 380/440V kW 1.5	_ <del></del>	IFC/FN			10/0 11// ( )
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 6.5 380/440V kW 1.5 500/690V 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	operational current to				
AC15    110V   A   16		7.6 17.62 17.		Α	25
110V		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  110V kW 1.5 220/230V kW 3.7 380/440V kW 3.7 380/440V kW 5.5			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 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 11 500/690V kW 11			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					
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			
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		Thurst ark and A 000A	380/440V	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		Inree-phase AC23A	220/2201/	1.1.0.7	0.5
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	300/0301	IN V V	11
220/230V kW 3.7 380/440V kW 5.5		Olligie-pilase AOZSA	110\/	k\//	1.5
380/440V kW 5.5					
	Rated operational curre	ent in DC			_



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DC21A					
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Conduc		DC21A	40)/		0.5
1100					
DC23A (poles in series)					
DC23A (poles in series)					
A		DC22A (polos in corios)	220V	A	0.7
ABV   A   25 (2)   A   10 (4)   A   12 (3)   A   12 (3)   A   10 (4)   A   10 (4)		DC23A (poles in series)	24\/	۸	25 (1)
100					
Marchanical life					
DC13					
DC13					
Rechanical life		DC13			
Mechanical life			24V	Α	25
Power dissipation					
Power dissipation			60V	Α	
Power dissipation   Work   W					
Power dissipation   W					
Mechanical features	Power dissipation				
Mathematics					
AWG - Rigid cable	Terminals screw				M3.5
AWG - Rigid cable	Tightening torque for te	rminals max		Nm	0.8
Max	Conductor size				_
Max AWG 10   AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable			min	AWG	20
Max AWG 20   Max AWG 12   Max Mm² 4   Max Mm² 4			Max	AWG	10
Max AWG   12		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable			min	AWG	20
Max   min   mm²   0.5   Max   mm²   4			Max	AWG	12
Max   mm²   4		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable					
Mechanical life			Max	mm²	4
Max mm² 4           Mechanical life         cycles         5x106           UL technical data           Motor power for direct-on-line control           for three-phase motor         120V HP 3         240V HP 5         480V HP 10         600V HP 15         600V HP 15         600V HP 1.5         240V HP 3         Ambient conditions           Temperature         min °C -25         -25         min °C -55         Storage temperature           Storage temperature         min °C -40         -40         -40         min °C -40         -40 <td></td> <td>Conductor size (IEC) - Rigid cable</td> <td></td> <td></td> <td></td>		Conductor size (IEC) - Rigid cable			
Mechanical life         cycles         5x106           UL technical data           Motor power for direct-on-line control           for three-phase motor         120V         HP         3           240V         HP         10         600V         HP         15           for single-phase motor         120V         HP         1.5         240V         HP         3           Ambient conditions           Temperature           Operating temperature           min         °C         -25         max         °C         +55           Storage temperature           min         °C         -40         max         °C         +70					
Motor power for direct-on-line control			Max		
Motor power for direct-on-line control         for three-phase motor       120V       HP       3         240V       HP       5       480V       HP       10         600V       HP       15       15         for single-phase motor       120V       HP       1.5         240V       HP       3    Ambient conditions Temperature         Operating temperature       min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70				cycles	5x10 <sup>6</sup>
for three-phase motor    120V					
120V	Motor power for direct-				
240V		tor three-phase motor	40017	LID	0
A80V HP 10   HP 15					
600V   HP   15					
To single-phase motor					
120V		for single phase mater	0000		10
Ambient conditions		ioi single-phase motol	120\/	ЫD	1.5
Ambient conditions					
Operating temperature	Ambient conditions		∠ <del>4</del> ∪ ۷	i II	
Operating temperature         min °C -25 max °C +55           Storage temperature         min °C -40 max °C +70					
min °C -25 max °C +55  Storage temperature  min °C -40 max °C +70	· omporatoro	Operating temperature			
max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70		Sportaing temperature	min	°C	-25
Storage temperature  min °C -40  max °C +70					
min °C -40 max °C +70		Storage temperature	max		
max °C +70			min	°C	-40
	Resistance & Protectio	n			



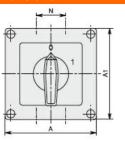
**ENERGY AND AUTOMATION** 

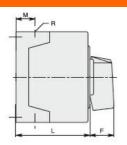
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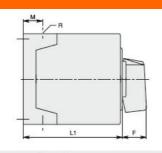
Frontal IP degree IP65

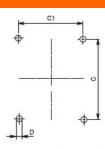
Terminals IP degree IP00

#### Dimensions



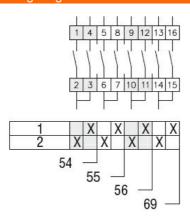






Carias	Series Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
Series		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	]	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												191
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 - 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

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete