

**ENERGY AND AUTOMATION** 

# electric ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 32A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product yee designation   Foreign   Product yee designation   Product yee   Product of the policie	Product designation				Rotary cam
Switching diagram   Substituting diagram	-				
Switching diagram   Switch without 0 1   pole     N° of elements   1   1   1   1   1   1   1   1   1					7GN32
Switching diagram         switch without 0 1 pole           N" of elements         1           Mounting form         U - Front mounting with black handle           Contact characteristics           Rated insulation voltage Ui         IEC/EN         V         600           Rated impulse withstand voltage Uimp         Respectively         W         600           Rated operational free air themal current Ith         IEC/EN         A         32           Rated operational voltage         W         4         4           Rated operational impulse voltage         W         4         4           Rated operational impulse voltage         N         4         4           Rated short time current Icw         10KA         A         32           Rated short time current Icw         1s         A         80           Conductivity         1s         A         80           Operational current Ic IEC/EN         A         32           AC1/AC21A         A         20           AC15         110V         A         25           220/230V         A         20           380/440V         A         2           Rated operational power in AC         A         2	General characteristics	5			54 - Changeover
N° of elements   1	Switching diagram				switch without 0 1
Mounting form   Section   Section	N° of elements				· · · · · · · · · · · · · · · · · · ·
Rated insulation voltage Uin   IEC/EN   V 690   UI/CSA   V 600   Rated impulse withstand voltage Uimp   kV 6   Conventional free air thermal current Ith   IEC/EN   A 32   UI/CSA   A 40   Rated operational voltage   V 480   Rated operational impulse voltage   kV 4   Maximum fuse size for short-circuit protection In (gG)   10kA   A 32   25kA   A 32	Mounting form				mounting with
Conventional free air thermal current ith					
Rated impulse withstand voltage Ulimp	Rated insulation voltag	e Ui			
Rated impulse withstand voltage Ulmp				-	
Conventional free air thermal current Ith			UL/CSA		
IEC/EN   A   32   40     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   32	-			kV	6
Rated operational voltage   V	Conventional free air th	nermal current Ith	JEO/EN	•	00
Rated operational voltage					
Rated operational impulse voltage	Datad aparational valte	200	UL/CSA		
Maximum fuse size for short-circuit protection In (gG)    10kA					
10kA		-		K V	4
Table   Tabl	Maximum ruse size for	short-circuit protection in (gG)	1∩k∆	Δ	32
Rated short time current lcw					
Rated short time current Icw   1s					
Rated short time current lew   1s					
Conductivity	Rated short time curre	nt Icw			
AC1/AC21A			1s	Α	800
AC1/AC21A  AC15  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 4 380/440V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 18.5	Conductivity				10/5 mA/V
AC15  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 18.5	Operational current le	IEC/EN			
AC15    110V		AC1/AC21A			
110V				Α	32
Rated operational power in AC   Three-phase AC-3		AC15			
Rated operational power in AC   Three-phase AC-3					
Rated operational power in AC Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 18.5					
Rated operational power in AC Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 18.5  Single-phase AC23A					
Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2	Data Lance Caralan		660/690V	А	2
220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2	Rated operational pow				
380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2		Inree-phase AC-3	220/2201/	I2\A/	7.5
Single-phase AC-3   110V   kW   2.2   220/230V   kW   4   380/440V   kW   6.5     500/690V   kW   15   500/690V   kW   18.5     Single-phase AC23A   110V   kW   2.2     220/230V   kW   18.5     380/440V   kW   15   500/690V   kW   18.5     Single-phase AC23A   110V   kW   2.2     220/230V   220/23					
Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2					
110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2		Single-phase AC-3	300/030 V	KVV	
220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 220/230V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2		Olligio pridocitio o	110V	kW	2.2
380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2					
Three-phase AC23A  220/230V kW 8  380/440V kW 15  500/690V kW 18.5  Single-phase AC23A  110V kW 2.2					
220/230V kW 8 380/440V kW 15 500/690V kW 18.5  Single-phase AC23A  110V kW 2.2		Three-phase AC23A	-		
380/440V kW 15 500/690V kW 18.5 Single-phase AC23A 110V kW 2.2		•	220/230V	kW	8
Single-phase AC23A 110V kW 2.2			380/440V	kW	15
110V kW 2.2			500/690V	kW	18.5
		Single-phase AC23A	<del></del>		
220/230V kW 4					
			220/230V	kW	4

**ENERGY AND AUTOMATION** 

# electric ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 32A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

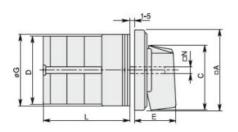
		380/440V	kW	7.5
Rated operational cur	rrent in DC			
	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)	0.41/	^	00 (4)
		24V	A	32 (1)
		48V 60V	A	32 (2)
		110V	A A	32 (3) 15 (3)
		220V	A	12 (4)
	DC13	220 V		12 (4)
	DO13	24V	Α	32
		48V	A	25
		60V	Α	16
		110V	A	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for	terminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	_		
		min	mm²	1.5
	0 1 1 1 (150) 5: 11 11	Max	mm²	4
	Conductor size (IEC) - Rigid cable	•.	2	4 5
		min Max	mm² mm²	1.5 6
Mechanical life		IVIdX	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	3810
Motor power for direct	t-on-line control			
stor power for direc	for three-phase motor			
	mas prises motor	120V	HP	5
		240V	HP	10
		480V	HP	15
		600V	HP	15
	for single-phase motor			
		120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

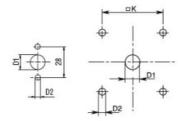


**ENERGY AND AUTOMATION** 

## ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 32A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

	max	$^{\circ}C$	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

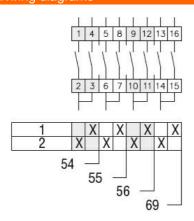




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions								L Number of elements												
	ΠA	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

## Wiring diagrams



## Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification

**ETIM 8.0** 

7GN3254U

EC001029 -Selector switch, complete