

# ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation	Product designation			Rotary cam
Switching diagram   Sistem	•			switches
Switching diagram         55 - Changeover witch without 0 2 poles           N° of elements         2           Mounting form         2         O - Rear mounting with black handle           Contact characteristics           Rated insulation voltage Ui         IEC/EN V 690           Rated impulse withstand voltage Uimp         kV 6           Conventional free air thermal current Ith         IEC/EN A 16           Rated operational voltage         V 480           Rated operational impulse voltage         kV 4           Maximum fuse size for short-circuit protection In (gG)         10kA A 16           15kA A 10         25kA A 10           25kA A 10         10 5 mA/V           Conductivity         10/5 mA/V           Operational current Ie IEC/EN         10/5 mA/V           AC1/AC21A         110V A 16           AC15         110V A 16           AC1/AC21A         220/230V A 8           AC20/230V A 8         380/40V A 4           AC1/AC21A         220/230V KW 2.5           AC1/AC21A         220/230V KW 1.5           AC1/AC21A         220/230V KW 1.5           AC1/AC21A         220/230V KW 1.5           AC1/AC21A         220/230V KW 1.5           AC1/AC21A				/GN12
N° of elements   2				switch without 0 2
Mounting form   Mounting with black handle   Mounting with black handle	N° of elements			•
Contact characteristics   Rated insulation voltage UI   IEC/EN   V   690   UI/CSA   V   600   Rated impulse withstand voltage Uimp   KV   6   6   6   6   6   6   6   6   6				O - Rear
Rated insulation voltage Ui				
IEC/EN   V   690				
Rated impulse withstand voltage Uimp	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp				
Conventional free air thermal current lith		UL/CSA		
IEC/EN			kV	6
Rated operational voltage	Conventional free air thermal current Ith			
Rated operational voltage			Α	
Rated operational impulse voltage   KV 4		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)    10kA				
10kA			kV	4
15kA	Maximum fuse size for short-circuit protection In (gG)			
Rated short time current Icw   1s				
Rated short time current lcw				
1s		25kA	A	10
Conductivity	Rated short time current lcw			
Operational current le IEC/EN  AC1/AC21A  AC15  110V A 10  220/230V A 8  380/400V A 1.5  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  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 1.5  380/440V kW 5.5  500/690V kW 7.5		1s	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  Three-phase AC-3  Three-phase AC-3  Three-phase AC-3  Three-phase AC23A  Three-phase AC23A  Single-phase AC23A  Three-phase AC23A				10/5 mA/V
A 16  AC15  110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5  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  Single-phase AC23A  110V kW 0.8 220/230V 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 1.7 380/440V kW 5.5 500/690V kW 7.5				
AC15    110V	AC1/AC21A			
110V			A	16
220/230V	AC15		_	
Single-phase AC-3   Sing				
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 1.7 380/440V kW 5.5 500/690V kW 7.5		660/690V	Α	1.5
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	·			
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	I nree-phase AC-3	000/0001	1.147	0.5
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 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	Cingle phase AC C	500/6907	KVV	5.5
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	4401	1.1.1.7	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 ACCOA	38U/44UV	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	rnree-pnase AC23A	220/2201	J-\^/	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	500/690V	K V V	1.0
220/230V kW 1.7 	Single-phase AC23A	4401/	J-\^/	0.0
380/440V kW 3				
	Pated operational current in DC	300/4401	IN V V	J





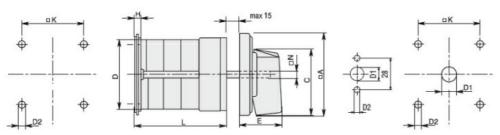
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	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	2 0 20 11 (posed in desired)	24V	Α	10 (1)
		48V	Α	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	
	DC13	220 V	Α	5 (4)
	DC13	0.41/	^	40
		24V	A	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
00.1.00.01.0.1.0	AWG - Rigid cable			
	AVVO Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAA	700	12
	AVVG - Flexible Cable		A1A/C	20
		min	AWG	20
	0 1 (150) 51 111	Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
	•	120V	HP	1.5
		240V	HP	3
		480V	HP	50
		600V	HP	40
	for single-phase motor		• • •	
	101 onigio pridocimotor	120V	HP	0.5
		240V	HP	1
Ambient conditions		24U V	ar	
Ambient conditions				
Temperature				
	Operating temperature	_		
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

**ENERGY AND AUTOMATION** 

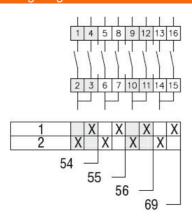
## ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

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



Series	Dimensions							L Number of elements												
Selles	□A	С	ØD	ØD2	Е	Н	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	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

EAC

UL

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete