



# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

Product type designation	Product designation				Rotary cam switches
Switching diagram   Switch 2 poles   S					
N° of elements   1					
Mounting form         mounting with black handle without front plate for hole diam, without without plate with the male unread the male unread with stand voltage Ulimp         IEC/EN V 600           Rated insulation voltage Ulimp         RV 600           Conventional free air thermal current th         IEC/EN A 25           Rated operational voltage         V 480           Rated operational impulse voltage         V 480           Maximum fuse size for short-circuit protection in (gG)         10kA A 25           Rated short time current low         1 10kA A 25           Rated short time current le IEC/EN         2 5 4 4 40           AC15         1 10V A 25           AC15         1 10V A 25           AC16         1 10V A 25           AC16         2 20/230V A 25           Rated operational power in AC         2 20/230V A 25           Rated operational power in AC         2 20/230V A 25           Three-phase AC-3         3 30/440V A 25           Single-phase AC-3         1 10V A 25           Three-phase AC-3         1 10V A 25           Three-phase AC-3         1 10V A 25           Three-phase AC-3         1 10V A 25 <t< td=""><td>N° of elements</td><td></td><td></td><td></td><td></td></t<>	N° of elements				
Rated insulation voltage Ui					mounting with black handle without front plate for hole diam.
Conventional free air thermal current lth					
Conventional free air thermal current Ith	Rated insulation voltage	ge Ui			
Rated operational voltage   V				kV	6
Rated operational voltage   V   480	Conventional free air t	thermal current Ith			
Rated operational impulse voltage   Rated operational impulse voltage   Rated operational impulse size for short-circuit protection in (gG)   10kA	Rated operational volt	tane	OLIOGA		
Maximum fuse size for short-circuit protection In (gG)					
10kA					
Rated short time current lcw			15kA	Α	25
Conductivity         10/5 mA/V           Operational current le IEC/EN         A 25           AC1/AC21A         A 25           AC15         110V A 16           220/230V A 12         380/400V A 8           380/400V A 8         660/690V A 2           Rated operational power in AC         220/230V KW 5.5           Three-phase AC-3         220/230V KW 7.5           Single-phase AC-3         110V KW 1.5           220/230V KW 3         380/440V KW 1.5           220/230V KW 6.5         380/440V KW 1.5           220/230V KW 6.5         380/440V KW 11           Single-phase AC23A         220/230V KW 6.5           Single-phase AC23A         220/230V KW 6.5           Single-phase AC23A         220/230V KW 11           Single-phase AC23A         500/690V KW 11           Single-phase AC23A         110V KW 1.5	Rated short time curre	ent Icw	ZJKA		
Conductivity	rator onor time our	STR TOW	1s	kA	400
AC1/AC21A  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  110V kW 1.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A	Conductivity				10/5 mA/V
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 5.5  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	Operational current le	IEC/EN			
110V		AC1/AC21A		Α	25
220/230V		AC15			
Single-phase AC23A   Single-					
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 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A					
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  Single-phase AC23A  110V kW 11 500/690V kW 11  Single-phase AC23A					
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	Rated operational pov	ver in AC	000/030 V		
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	rated operational per				
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		The phase rie c	220/230V	kW	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			380/440V		7.5
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			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		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					
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 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5		Throe-phase AC22A	380/440V	KVV	5.5
380/440V kW 11 500/690V kW 11 Single-phase AC23A 110V kW 1.5		Tillee-pilase AO23A	220/230\/	k\//	6.5
Single-phase AC23A 110V kW 1.5					
Single-phase AC23A 110V kW 1.5					
110V kW 1.5		Single-phase AC23A			
220/230V kW 3.7					
			220/230V	kW	3.7





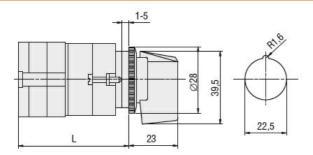
# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE $\emptyset$ 22MM FIXING

		380/440V	kW	5.5
Rated operational cur	rrent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
	D0004 ( 1 : : : )	220V	Α	0.7
	DC23A (poles in series)	0.41/	•	05 (4)
		24V	A	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V 220V	A	12 (3)
	DC13	220 V	Α	10 (4)
	DC13	24V	Α	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation		2201	W	1.1
Mechanical features			v v	
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	Ŭ	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			_
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direc				
	for three-phase motor	4001/	UD	2
		120V	HP	3
		240V 480V	HP HP	5 10
		480V 600V	HP	15
	for single-phase mater	νυυν	ПГ	10
	for single-phase motor	120V	HP	1.5
		240V	HP	3
Ambient conditions		Z70 V		
Temperature				
- In a second	Operating temperature			
	-131	min	°C	-25
		max	°C	+55
	Storage temperature			
	Storage temperature	min	°C	-40



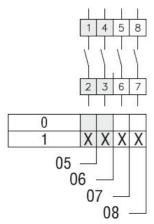
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree	•		IP00
Dimensions			



Series	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

### 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** 

EC001029 -Selector switch, complete