

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation			7GN25
General characteristics			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	IEO/EN		000
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/CSA	kV	6
Conventional free air thermal current Ith		ΚV	0
John Sharing an allomar sanon tal	IEC/EN	Α	25
	UL/CSA	Α	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
	25kA	A	25
Rated short time current Icw		_	
	1s	Α	400
Conductivity			10/5 mA/V
Operational current le IEC/EN  AC1/AC21A			
AC1/AC21A		Α	25
AC15			23
No 10	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC3			
	220/230V	kW	5.5
	380/440V	kW	7.5
Cingle phase ACC	500/690V	kW	7.5
Single-phase AC3	110V	kW	1.5
	220/230V	kW	1.5 3
	380/440V	kW	5.5
Three-phase AC23A	223,		
•	220/230V	kW	6.5





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		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
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	A	4
		220V	A	0.7
	DC23A (poles in series)	220 V		0.7
	DOZOA (poles ili series)	24V	Α	25 (1)
		48V	A	
		60V		25 (2)
			A	25 (3)
		110V	A	12 (3)
	D040	220V	Α	10 (4)
	DC13	0.07		
		24V	A	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	terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	ŭ	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
	7.1.7	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIUA	,,,,,	· <del>-</del>
	Contractor GIZO (IEO) Trovible dable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	iviax	111111	7
	Conductor Size (IEC) - Rigid Cable	ma!:a	mm²	0.5
		min Mov	mm²	0.5
Manharitatikk		Max	mm²	4 5×406
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Mator nowar for direct				
Motor power for direc	ct-on-line control			
wotor power for direc	ct-on-line control for three-phase motor			
Motor power for direc		120V	HP	3
motor power for direc		240V	HP	3 5
Motor power for direc				
Motor power for direc		240V	HP	5
wotor power for direc	for three-phase motor	240V 480V	HP HP	5 10
wotor power for direc		240V 480V 600V	HP HP HP	5 10 15
widtor power for direc	for three-phase motor	240V 480V 600V	HP HP HP	5 10 15
Ambient conditions	for three-phase motor	240V 480V 600V	HP HP HP	5 10 15



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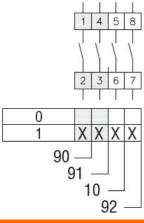
Operating	tem	nerat	ure
Operaning	ıcııı	perai	uic

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

# Terminals IP degree Dimensions [mm (in)]

Resistance & Protection Frontal IP degree

#### 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

EC001105 - Offload switch