**ENERGY AND AUTOMATION** 

# NOCKENSCHALTER 7GN-SERIE, ON-OFF SCHALTER 2-POLIG 16A, FÜR FRONTEINBAU MIT SCHWARZEM GRIFF, FRONTPLATTE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation			7GN12
General characteristics			91 - ON/OFF
Switching diagram			switch 2 poles
N° of elements			1
			U - Front
Mounting form			mounting with
Contact characteristics			black handle
Contact characteristics Rated insulation voltage Ui			
Nated Insulation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	16
	UL/CSA	Α	15
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
Rated short time current lcw	25kA	Α	10
Nated Short time current icw	1s	Α	200
Conductivity	13		10/5 mA/V
Operational current le IEC/EN			10/0111111
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	A	4
Rated operational power in AC	660/690V	A	1.5
Three-phase AC-3			
Tillee-pilase 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	000/0001	1.347	0
	220/230V	kW	3



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		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	000/0007	1000	1.0
	Single-phase A025A	110V	kW	0.8
		220/230V	kW	1.7
<del></del>		380/440V	kW	3
Rated operational cur				
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	2 0 2 0 / 1 (p 0 1 0 0 1 1 1 0 0 1 1 0 0 )	24V	Α	10 (1)
		48V	A	10 (1)
		60V	A	10 (2)
		110V	A	5 (3)
	D040	220V	Α	5 (4)
	DC13		_	
		24V	Α	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				
				M3
Terminals screw	terminals may		Nm	M3
Terminals screw Tightening torque for	terminals max		Nm	M3 0.5
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max  AWG - Rigid cable			0.5
Terminals screw Tightening torque for		min	AWG	20
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.5
Terminals screw Tightening torque for		Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable	Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min	AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.5 20 12 20 14 0.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	0.5 20 12 20 14
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
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Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.5  20 12  20 14  0.5 2.5  0.5 2.5  3x10 <sup>6</sup>
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Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.5  20 12  20 14  0.5 2.5  0.5 2.5  3x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.5  20 12  20 14  0.5 2.5  0.5 2.5  3x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data Motor power for direc	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V	AWG AWG AWG Mm² mm² mm² cycles	0.5  20 12  20 14  0.5 2.5  0.5 2.5  3x10 <sup>6</sup> 1.5 3
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V	AWG AWG AWG Mm² mm² mm² cycles	0.5  20 12  20 14  0.5 2.5  0.5 2.5  3x10 <sup>6</sup> 1.5 3

7GN1291U

IP00



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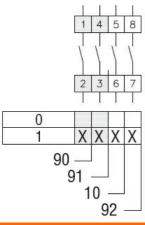
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	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	

### Dimensions

### Wiring diagrams

Frontal IP degree
Terminals IP degree



### 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