

# ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam
_				switches
Product type designation General characteristics				7GN12
				98 - Ammeter
Switching diagram				switch
N° of elements				3
				O48 - Modular
Mounting form				service cover for 35mm din rail
Woulding form				mounting with
				black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
Datad impulse withster	nd voltage Llimp	UL/CSA	V kV	600
Rated impulse withstar Conventional free air th			KV	0
Conventional free all ti	ierriai current iui	IEC/EN	Α	16
		UL/CSA	Α	15
Rated operational volta	age		V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	16
		15kA	A	10
Data d about times accura	-4 l	25kA	A	10
Rated short time curre	nt ICW	1s	Α	200
Conductivity		15		10/5 mA/V
Operational current le	IEC/EN			10/0 11/7 0
	AC1/AC21A			
			Α	16
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	A	4
Rated operational pow	or in AC	660/690V	Α	1.5
Nated operational pow	Three-phase AC-3			
	Three phase AO 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
	The second of the second	380/440V	kW	2.2
	Three-phase AC23A	220/2201/	<b>1</b> ////	3
		220/230V 380/440V	kW kW	3 5.5
		500/440V 500/690V	kW	7.5
	Single-phase AC23A	030/030 V		
	J - 1	110V	kW	0.8
		220/230V	kW	1.7



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		380/440V	kW	3
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	0.07		40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
	D040	220V	A	5 (4)
	DC13	241/	٨	40
		24V	A	12
		48V	A	10
		60V 110V	A	8
			A	1
		220V	A	0.4
Dower discination		440V	A W	0.15
Power dissipation			VV	0.8
Mechanical features				MO
Terminals screw Tightening torque for te	arminala may		Nm	M3 0.5
Conductor size	eminas max		INIII	0.5
Conductor Size	AWC Digid apple			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AVVG	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	14
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.5
	Conductor Size (IEO) - Mylu Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVICA	cycles	3x10 <sup>6</sup>
UL technical data			Cycles	
Motor power for direct-	on-line control			
otor powor for direct-	for three-phase motor			
	ioi alioo piidoo iiiotoi	120V	HP	1.5
		240V	HP	3
	for single-phase motor	Z-T-0 V	111	
	ioi singio pridocifictor	120V	HP	0.5
		240V	HP	1
Ambient conditions		2.00		·
Temperature				
<del>.</del>	Operating temperature			
	operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	THAK		
		min	°C	-40
		11111		· <del>-</del>

IP00

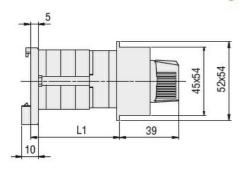


ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

ENERGY AND AUTOMATION	FOR 35 WIM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT FLATE 45X54 WIM			
	max °	С	+70	
Resistance & Protection				
Frontal IP degree			IP40	

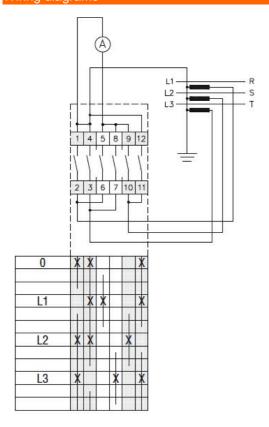
#### **Dimensions**

Terminals IP degree



Series	L1			
	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

## 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



**ENERGY AND AUTOMATION** 

ETIM 8.0

## 7GN1298O48

Selector switch, complete

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	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001029 -

7GN1298O48