

## **7GN1205O48** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Droduct designation				<sup>a</sup> Rotary cam
Product designation				switches
Product type designat General characteristic				7GN12
	5			05 - ON/OFF
Switching diagram				switch 1 pole
N° of elements				1
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristic	S			black Handle
Rated insulation voltage				
	-	IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air t	hermal current Ith	IEC/EN	٨	16
		UL/CSA	A A	16 15
Rated operational volt	206	01/03A	X	480
Rated operational imp	•		kV	4
	r short-circuit protection In (gG)			<u> </u>
		10kA	А	16
		15kA	А	10
		25kA	Α	10
Rated short time curre	ent Icw			
O a ra alto a tin sito a		1s	A	200
Conductivity Operational current le IEC/EN				10/5 mA/V
Operational current le	AC1/AC21A			
	AG IIAOZ IA		А	16
	AC15			
		110V	А	10
		220/230V	А	8
		380/400V	А	4
		660/690V	A	1.5
Rated operational pow				
	Three-phase AC-3	220/230V	kW	2.5
		220/230V 380/440V	kvv kW	2.5 4
		500/690V	kW	5.5
	Single-phase AC-3			0.0
		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 AC22A			
	Single-phase AC23A	110\/	k\//	0.8
	Single-phase AC23A	110V 220/230V	kW kW	0.8 1.7

7GN1205O48



**7GN1205O48** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

		380/440V	kW	3
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	А	10 (2)
		60V	А	10 (3)
		110V	А	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	А	8
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			·-
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	max	/	
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	Max		2.0
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIDA	cycles	3x10 <sup>6</sup>
UL technical data			Cycies	
Motor power for direct	t-on-line control			
	for three-phase motor	120V	HP	1.5
		120V 240V		
	for single phase motor	240V	HP	3
	for single-phase motor	4001/	חח	0 5
		120V	HP up	0.5
Ambiant conditions		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature	<u>.</u>		05
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

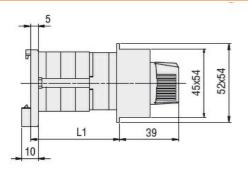
7GN1205O48

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



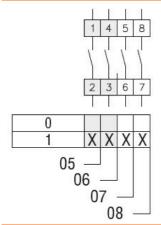
## 7GN1205O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

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



Cariaa	L1			
Series	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	
	UL60947-4-1	
Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete