

7GN2055O48 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam
Product type designation				switches 7GN20
General characteristics				1 GINES
Switching diagram				55 - Changeover switch without 0 2 poles
N° of elements				2
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage l		IEC/EN UL/CSA	V V	690 600
Rated impulse withstand			kV	6
Conventional free air ther	mal current Ith	IEC/EN UL/CSA	A A	20 20
Rated operational voltage	9		V	480
Rated operational impuls	-		kV	4
Maximum fuse size for sh	nort-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 16 16
Rated short time current	Icw	1s	A	250
Conductivity				10/5 mA/V
Operational current le IE	C/EN AC1/AC21A			
_			Α	20
F	AC15	110V 220/230V 380/400V	A A A	10 8 6
		660/690V	A	1.5
Rated operational power	in AC Fhree-phase AC-3	220/230V	kW	3
		380/440V 500/690V	kW kW	5 5.5 5.5
5	Single-phase AC-3			
		110V 220/230V 380/440V	kW kW kW	0.8 2.2
ī	Three-phase AC23A	380/440V 220/230V	kW	<u>3</u> 5
		380/440V 500/690V	kW kW	7.5 7.5
G	Single-phase AC23A	110V	kW	0.8

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		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	2010	220V	А	8 (4)
	DC13	0.01/		
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
<u> </u>		440V	A	0.15
Power dissipation			W	0.8
Mechanical features Terminals screw				M3
Tightening torque for	torminale may		Nm	0.5
Conductor size			INIII	0.5
Conductor size	AWG Pigid cable			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	ANG	12
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVICA	700	14
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	wiax		2.0
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		111dX	cycles	5x10 ⁶
UL technical data			2, 0.00	
Motor power for direc	ct-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25

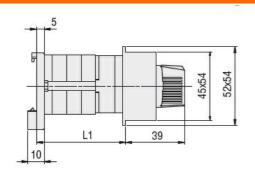
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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently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

ENERGY AND AUTOMATION

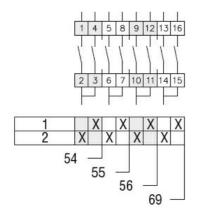
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	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				



Series	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	1	
ETIM 8.0		EC001029 - Selector switch, complete

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