

**7GN2075O48** ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
-			switches
Product type designation General characteristics			7GN20
Switching diagram			75 - Changeover
N° of elements			switch 4 poles 4
IN OF Elements			4 O48 - Modular
Mounting form			service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		Α	00
	IEC/EN	A	20
Potod operational voltage	UL/CSA	A V	20 480
Rated operational voltage Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		κv	
( <b>3</b> -)	10kA	А	20
	15kA	A	16
	25kA	А	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1015		A	20
AC15	110V	А	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
Three-phase AC23A	380/440V	kW	3
Thee-phase AO23A	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7

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Rated operational cu	rrent in DC

Rated operational cur	rent in DC			
	DC21A			
		48V	А	20
		60V	А	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
		440 V	A	0.25
	DC23A (poles in series)	<b>•</b> • • •		<b>22</b> (1)
		24V	A	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
	2010	24V	А	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	terminals may		Nm	0.5
Conductor size			1 111	0.0
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			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable		~	o =
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct	t-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				
remperature	Operating temperature			
	Operating temperature			05
		min	°C	-25
		max	°C	+55
	Storage temperature			

Storage temperature

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

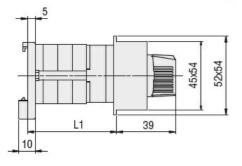
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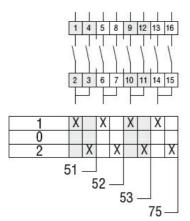
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



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

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