ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam switches
Product type designation				7GN12
General characteristics				
Switching diagram				92 - ON/OFF switch 4 poles
N° of elements				2
Mounting form				O48 - Modular 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				
	IEC/EN	A	16	
	UL/CSA	A	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	
	25kA	A	10	
Rated short time current Icw				
	1s	kA	200	
Conductivity				10/5 mA/V
Operational current Ie IEC/EN				
AC1/AC21A				
		A	16	
AC15				
	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	1.5	
Rated operational power in AC				
Three-phase 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	

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Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			
DC21A			
	48V	A	12
	60V	A	12
	110V	A	4
	220V	A	0.6
	440V	A	0.25
DC23A (poles in series)			
	24V	A	10 (1)
	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
DC13			
	24V	A	12
	48V	A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	A	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			
	min	mm²	0.5
	Max	mm²	2.5
Conductor size (IEC) - Rigid cable			
	min	mm²	0.5
	Max	mm²	2.5
Mechanical life		cycles	3×10^6

UL technical data

Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	1.5
	240V	HP	3
for single-phase motor			
	120V	HP	0.5
	240V	HP	1

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Ambient conditions

Temperature

	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

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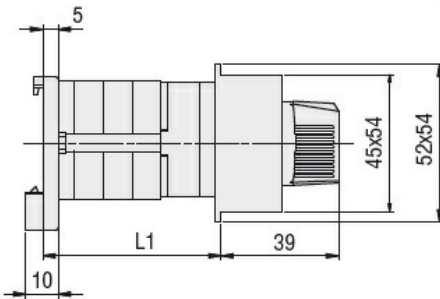
Series	L1		
	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

Wiring diagrams
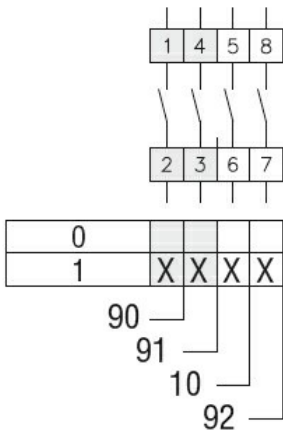
Certifications and compliance

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

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UL

ETIM classification

ETIM 8.0

EC001029 - Selector switch, complete