CONTROL CONTROL OF THE CONTROL



Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN12
			98 - Ammeter
Switching diagram			switch
N° of elements			3
			U - Front
Mounting form			mounting with
Contact characteristics			black handle
Rated insulation voltage Ui			
Rated insulation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	16
	UL/CSA	А	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
Rated short time current Icw	25kA	A	10
Rated Short time current icw	1s	А	200
Conductivity	15		10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	A	8
	380/400V	A	4 1.5
Rated operational power in AC	660/690V	A	1.5
Three-phase AC-3			
The phase A0 0	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
Three-phase AC23A	000/0001/	1.1.17	0
	220/230V	kW	3

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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



7GN1298U electric ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

	380/440V		
	000/1101	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	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	A	10 (2)
	40V 60V	A	10 (2)
	110V	A	5 (3)
	220V	A	5 (4)
DC13	220 V	~	J (T)
	24V	٨	12
	24 V 48 V	A	
		A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	<u>A</u>	0.15
Power dissipation		W	0.8
Mechanical features Terminals screw			МЗ
Tightening torque for terminals max		Nm	0.5
Conductor size		INIII	0.5
AWG - Rigid cable		A \ A/O	00
	min	AWG	20
	Max	AWG	12
AWG - Flexible cable		A14/0	00
	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	3x10⁰
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			
		HP	0.5
	120V	пг	0.5
	120V 240V	HP	1

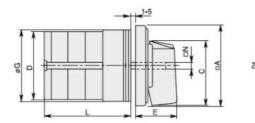
Temperature

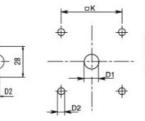
ovai ENERGY AND AUTOMATION

7GN1298U electric ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

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

Terminals IP Dimensions





Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

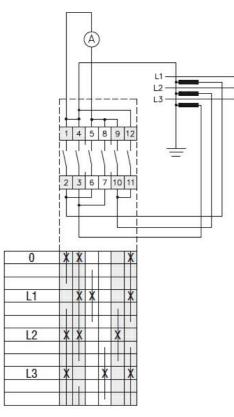
Series	Dimensions						L Number of elements														
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

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Wiring diagrams



7GN1298U



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Certifications and co	ompliance	
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		
		EC001029 -
ETIM 8.0		Selector switch,

Selector switch, complete

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