

7GN12970 ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			97 - Ammeter switch
N° of elements			5
Mounting form			O - Rear mounting with black handle
Contact characteristics			DIACK HARIULE
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	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	А	16
	15kA	А	10
	25kA	А	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	16
AC15			
	110V	A	10
	220/230V	A	8
	380/400V	A	4
Deted operational newsr in AC	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	2.5
	220/230V 380/440V	kW	2.5 4
	500/690V	kW	4 5.5
Single-phase AC-3	300/0301	IX V V	0.0
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A	220/1101		
······ F·······	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
3 .	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3

Rated operational current in DC

7GN12970

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7GN12970

7GN1297O ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

	DC21A			
		48V	А	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
	u /	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	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for the	erminals 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	////0	17
		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		IVIAX		3x10 ⁶
UL technical data			cycles	3810
Motor power for direct	-on-line control			
	for three-phase motor			
	tor three-phase motor	120V	HP	1.5
		240V	HP	3
	for single-phase motor	2401	1.11*	5
	ior single-phase motor	120V	HP	0.5
		240V	HP	1
Ambient conditions		240 V	ПР	1
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		•	05
		min	°C	-25
	Others and the second s	max	°C	+55
	Storage temperature		• •	10
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			

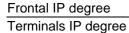
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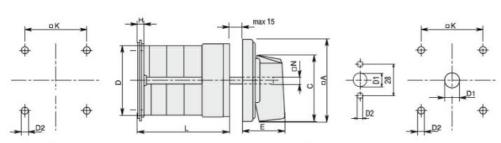
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Dimensions

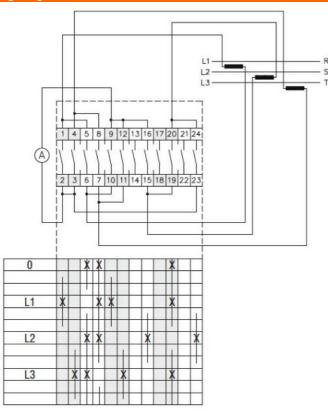


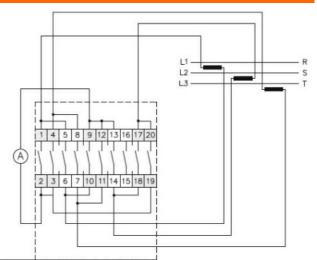
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Series				Dimer	nsions								LI	Number	of eler	nents				
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams





0			X	X				X	
L1	×		-	x	×			x	
L2			×	x			x		X
L3		x	X	1		X	1	x	1

Certifications and compliance

Compliance

SA C22.2 n° 14	
C/EN/BS 60947-1	_
C/EN/BS 60947-3	_
C/EN/BS 60947-5-1	_
_60947-4-1	

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classifica	tion	
		EC001029 -
ETIM 8.0		Selector switch,

Selector switch, complete