7GN2597U

ENERGY AND AUTOMATION

BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation			switches 7GN25
General characteristics			
Switching diagram			97 - Ammeter switch
N° of elements			5
			U - Front
Mounting form			mounting with
Contact characteristics			black handle
Rated insulation voltage Ui			
Nated insulation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	01,00,1	kV	6
Conventional free air thermal current Ith			°
	IEC/EN	А	25
	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	25
	15kA	А	25
	25kA	А	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	25
AC15			
	110V	A	16
	220/230V	A	12
	380/400V	A	8
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	5.5
	380/440V	kW	5.5 7.5
	500/690V	kW	7.5
Single-phase AC-3	000/0001		1.0
	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			
·	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A			
	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5

Rated operational current in DC

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7GN2597U electric ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

	DC21A			
	DCZTA	48V	А	25
		40V 60V	A	25
		110V	A	4
		220V	A	0.7
	DC23A (poles in series)	2201	,,	0.1
	()	24V	А	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	А	10 (4)
	DC13			
		24V	А	25
		48V	А	20
		60V	А	16
		110V	А	1.5
		220V	А	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for te	erminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4

Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

Resistance & Protection

OVA

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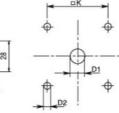
Frontal IP degree



IP40



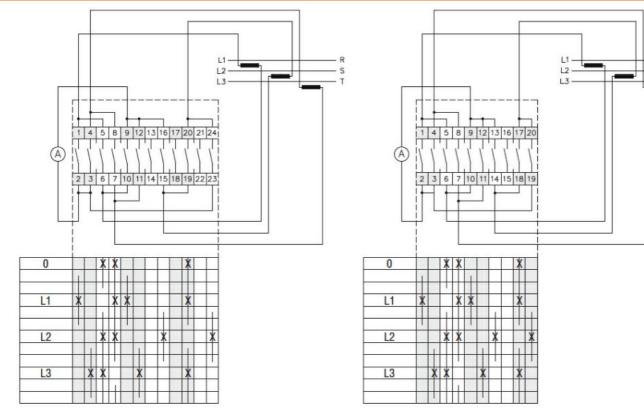
1-5 쥠 g C D2



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

Series	Dimensions						L Number of elements														
Series	ΠA	С	ØD	ØD1	ØD2	Ε	ØG	□K	ΠN	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

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14	
EC/EN/BS 60947-1	
EC/EN/BS 60947-3	
EC/EN/BS 60947-5-1	
JL60947-4-1	

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Certificates cCSAus EAC UL ETIM classification EC001029 -

ETIM 8.0

Selector switch, complete