ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			08 - ON/OFF switch 4 poles
N° of elements			2
Mounting form			O - Rear mounting with black handle
Contact characteristics			Diagnatic Trainer
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	Α	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)	401.4		0.5
	10kA 15kA	A A	25 25
	25kA	A	25 25
Rated short time current lcw	ZJRA		25
Trated Short time current low	1s	kA	400
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			10/0 111/0
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
0:	500/690V	kW	7.5
Single-phase AC-3	44017	[2] [4]	1 5
	110V 220/230V	kW kW	1.5
	380/440V	kW	3 5.5
Three-phase AC23A	300/4401	r v v	J.J
Tillee-priase AO23A	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A	230,000 V		
g.5 F.:1855 / 1825/ 1	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5

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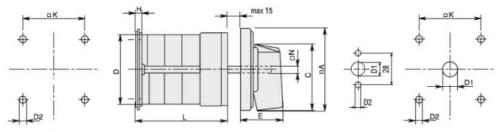
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for te	rminals max		Nm	0.8
Conductor size				
00110000101010	AWG - Rigid cable			
	Title Tilgia dabid	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	IVICA	71110	10
	AWG TICAIDIC GADIC	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIOX	7,1110	12
	Conductor size (ILO) - Flexible cable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVICA	111111	
	Conductor Size (IEO) - Migid Cable	min	mm²	0.5
		Max	mm²	4
Mechanical life		IVIAA		5x10 ⁶
UL technical data			cycles	3810
	on line control			
Motor power for direct-				
	for three-phase motor	120V	HP	2
		120V 240V	HP HP	3 5
		240 V 480 V	HP	5 10
		480 V 600 V	HP HP	15
	for single phase mater	0000	ПГ	10
	for single-phase motor	120V	HP	1.5
		120V 240V	HP HP	3
Ambient conditions		24U V		J
Temperature	Operating temperature			
	Operating temperature	me!:=	°C	25
		min	°C	-25
	Character to the property and	max	°C	+55
	Storage temperature	•	0.0	40
		min	°C	-40
Desistance & But of	<u></u>	max	°C	+70
Resistance & Protectio				

electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

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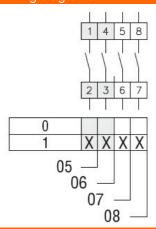
Frontal IP degree IP40
Terminals IP degree IP00

Dimensions



Series	Dimensions							L Number of elements												
	□A	С	ØD	ØD2	Е	Ξ	□K	□N	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



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