7GN125107O

ENERGY AND AUTOMATION

electric ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 1 POLE 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam
Product type designation			switches 7GN125
General characteristics			1011120
Switching diagram			107 - Multi-step 0-1-2 1 pole
N° of elements			1
Mounting form			O - Rear 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	125
Deted encretional valters	UL/CSA	A V	130
Rated operational voltage Rated operational impulse voltage		kV	690 6
Maximum fuse size for short-circuit protection In (gG)		ĸv	0
Maximum ruse size for short-circuit protection in (gG)	10kA	А	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current Icw			
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	125
AC15			
	110V	А	40
	220/230V	A	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	18.5
	220/230V 380/440V	кvv kW	37
	500/690V	kW	33
Single-phase AC-3	500/030V	17.4.4	00
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
Three-phase AC23A			
1 -	220/230V	kW	30
	380/440V	kW	45
	000/440		
	500/690V	kW	37
Single-phase AC23A		kW	37
Single-phase AC23A		kW kW	37 5

7GN125107O

ENERGY AND AUTOMATION

7GN125107O ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 1 POLE 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

380/440V kW 15 Rated operational current in DC DC21A 48V А 125 60V 80 А 110V А 10 220V 1.2 А DC23A (poles in series) 24V А 125 (1) 48V А 125 (2) 60V 125 (3) А 110V А 50 (3) 220V А 20 (4) DC13 125 24V А 48V А 100 60V А 50 110V А 4 Power dissipation W 6.3 Mechanical features Terminals screw M2X5 2 Tightening torque for terminals max Nm Conductor size AWG - Rigid cable AWG min 14 AWG 1/0 Max AWG - Flexible cable min AWG 14 AWG 1/0 Max Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 50 Conductor size (IEC) - Rigid cable mm² 2.5 min mm² Max 50 Mechanical life 1X10⁶ cycles UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 15 240V HP 25 480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 15 Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature min °C -40 °C +70 max

7GN125107O

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

7GN125107O

IP40

IP00

ENERGY AND AUTOMATION

OVa

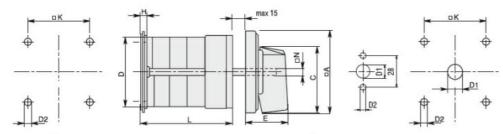
electric ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 1 POLE 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Resistance & Protection

Frontal IP degree

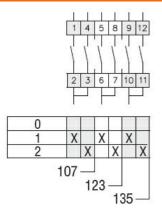
Terminals IP degree

Dimensions



Series	Dimensions					L Number of elements														
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



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		
	EAC	
	UL	
ETIM classificatio	n	
ETIM 8.0		EC001029 - Selector switch,

complete

7GN125107O