

7GN251350 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation	switches 7GN25		
General characteristics			
Switching diagram			135 - Multi-step 0-1-2 3 poles
N° of elements			3
Mounting form			O - Rear 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	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)			•
(3 -)	10kA	А	25
	15kA	A	25
	25kA	А	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	25
AC15			
	110V	А	16
	220/230V	А	12
	380/400V	А	8
	660/690V	А	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	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
Rated operational current in DC	380/440V	kW	5.5

Rated operational current in DC

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	DC21A		-	
		48V	Α	25
		60V	A	25
		110V	A	4
		220V	A	0.7
	DC23A (poles in series)	0.417	٨	
		24V	A	25 (1)
		48V	A	25 (2)
		60V 110V	A	25 (3)
		220V	A A	12 (3) 10 (4)
	DC13	220 V	~	10 (4)
	Della	24V	А	25
		48V	A	20
		40V 60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation		220 V	 	1.1
Mechanical features			VV	1.1
Terminals screw				M3.5
Tightening torque for t	erminals max		Nm	0.8
Conductor size				010
001100101010120	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				
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor	4001		4 5
		120V	HP	1.5
Ampliantesetting		240V	HP	3
Ambient conditions				
Temperature	Operating temporature			
	Operating temperature	min	°C	25
		min	°C	-25
	Storago tomporaturo	max	U	+55
	Storage temperature	min	°C	-40
		max	°C	-40 +70
Resistance & Protection	on	Пал		

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 7GN25135O

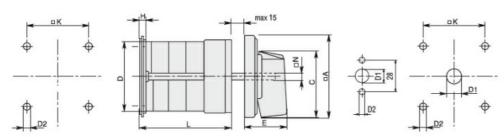


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Frontal IP degree

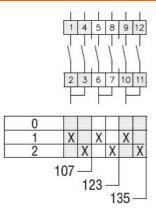
Terminals IP degree Dimensions





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

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 classificatio	n	
		EC001029 -
ETIM 8.0		Selector switch,

complete