

## **7GN1251350** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

Product designation			Rotary cam
Product type designation			switches 7GN125
General characteristics			7GN125
Switching diagram			135 - Multi-step
			0-1-2 3 poles
N° of elements			3
Mounting form			O - Rear mounting with
Wounting form			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			105
	IEC/EN	A	125
Rated operational voltage	UL/CSA	A V	130 690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)		ΚV	0
	10kA	А	125
	15kA	A	100
	25kA	А	100
	50kA	А	100
	63kA	А	100
Rated short time current Icw			
	1s	A	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		۸	125
AC15		A	125
A013	110V	А	40
	220/230V	A	28
	380/400V	А	15
	660/690V	А	5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	18.5
	380/440V	kW	37
Circle share AC 2	500/690V	kW	33
Single-phase AC-3	110V	kW	5
	220/230V	кvv kW	5 11
	380/440V	kW	15
Three-phase AC23A	000/7701	1	10
	220/230V	kW	30
	380/440V	kW	45
	500/690V	kW	37
Single-phase AC23A			
	110V	kW	5
	220/230V	kW	11

7GN1251350



## **7GN1251350** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

		380/440V	kW	15
Rated operational cu				
	DC21A			
		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)			
		24V	A	125 (1)
		48V	Α	125 (2)
		60V	А	125 (3)
		110V	А	50 (3)
		220V	Α	20 (4)
	DC13			
		24V	А	125
		48V	А	100
		60V	А	50
		110V	А	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	Max	/0	
		min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	IVIDA	ANO	1/0
	Conductor size (IEC) - Trexible cable	min	mm²	2.5
		Max	mm²	50
	Conductor aiza (IEC) Digid cobla	Ινίαλ	111111	50
	Conductor size (IEC) - Rigid cable	min	ma ma 2	0 F
		min	mm²	2.5
Mechanical life		Max	mm²	50
			cycles	1X10⁵
UL technical data	et en line enstant			
Motor power for dire				
	for three-phase motor	40017		45
		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			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

7GN1251350

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



### **7GN1251350** ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

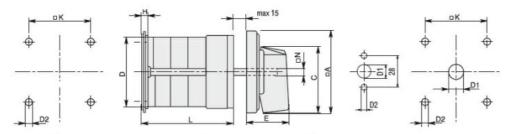
IP40 IP00

Resistance & Protection

# Frontal IP degree

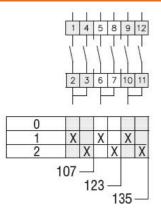
Terminals IP degree

Dimensions



Series				Dimer	nsions				L Number of elements											
Series	□A	C	ØD	ØD2	E	Н	□K	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 classification		
ETIM 8.0		EC001029 - Selector switch, complete

7GN1251350