ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam switches
Product type designation			7GN40

General characteristics

Switching diagram			84 - Multi-step 1-2-3-4-5 1 pole
N° of elements			3
Mounting form			U - Front 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	40
	UL/CSA	A	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	40
	15kA	A	40
	25kA	A	40
	50kA	A	40
	63kA	A	40
Rated short time current Icw			
	1s	kA	1000
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A			
		A	40
AC15			
	110V	A	25
	220/230V	A	22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3			
	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
Three-phase AC23A			
	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
Single-phase AC23A			
	110V	kW	3
	220/230V	kW	6

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			380/440V	kW	11
Rated operational current in DC					
	DC21A				
			48V	A	40
			60V	A	40
			110V	A	6
			220V	A	0.9
	DC23A (poles in series)				
			24V	A	40 (1)
			48V	A	40 (2)
			60V	A	40 (3)
			110V	A	20 (3)
			220V	A	12 (4)
	DC13				
			24V	A	40
			48V	A	32
			60V	A	16
			110V	A	3
Power dissipation				W	2.0
Mechanical features					
Terminals screw					M4
Tightening torque for terminals max				Nm	1.2
Conductor size					
	AWG - Rigid cable				
			min	AWG	16
			Max	AWG	8
	AWG - Flexible cable				
			min	AWG	16
			Max	AWG	10
	Conductor size (IEC) - Flexible cable				
			min	mm²	1.5
			Max	mm²	6
	Conductor size (IEC) - Rigid cable				
			min	mm²	1.5
			Max	mm²	10
Mechanical life				cycles	5×10^6
UL technical data					
Motor power for direct-on-line control					
	for three-phase motor				
			120V	HP	5
			240V	HP	10
			480V	HP	20
			600V	HP	20
	for single-phase motor				
			120V	HP	2
			240V	HP	5
Ambient conditions					
Temperature					
	Operating temperature				
			min	°C	-25
			max	°C	+55
	Storage temperature				
			min	°C	-40
			max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

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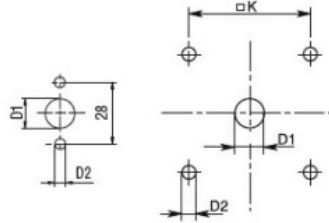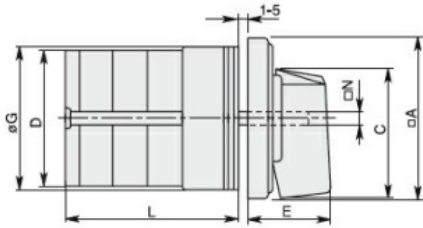
Standard drillings for 7GN125.
Drillings on request for 4 screws fixing (4V version).

Series	Dimensions									L Number of elements											
	□A	C	ØD	ØD1	ØD2	E	ØG	□K	□N	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
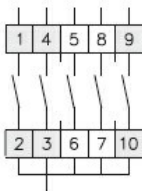
Certifications and compliance

Compliance

CSA C22.2 n° 14
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