

## **7GN3211U** ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 32A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation rGN32   General characteristics 11 - 3-pi motor trees   Switching diagram 11 - 3-pi motor trees   N° of elements 3   Mounting form U - Fron mountin black ha   Contact characteristics U   Rated insulation voltage Ui IEC/EN V   Rated insulation voltage Uimp kV 6   Conventional free air thermal current Ith IEC/EN A   Rated operational voltage V 480   Rated operational impulse voltage kV 4   Maximum fuse size for short-circuit protection In (gG) 10kA A 32   25kA A 32   Rated short time current Icw 1s kA 800	hase eversing nt g with
Switching diagram11 - 3-pi motor result switchN° of elements3N° of elements3Mounting formU - From mountin black hasContact characteristicsIEC/EN UL/CSARated insulation voltage UiIEC/EN UL/CSARated inpulse withstand voltage UimpkVRated inpulse withstand voltage UimpkVRated operational free air thermal current IthIEC/EN UL/CSARated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection In (gG)10kA 15kAA32 25kASokAA3232Rated short time current Icw10kA	eversing nt ng with
Switching diagrammotor resultN° of elements3Nounting formU - From mountin black haContact characteristicsTeC/ENRated insulation voltage UiIEC/ENIEC/ENV600Rated impulse withstand voltage UimpkVConventional free air thermal current IthIEC/ENV480Rated operational voltageV480Rated operational impulse voltagekVV480Rated operational impulse voltagekVMaximum fuse size for short-circuit protection In (gG)10kAA32SokAA33Rated short time current Icw	eversing nt ng with
N° of elements 3   Mounting form U - From mountin black ha   Contact characteristics IEC/EN V   Rated insulation voltage Ui IEC/EN V 690   UL/CSA V 600 600   Rated impulse withstand voltage Uimp kV 6   Conventional free air thermal current Ith IEC/EN A 32   Rated operational voltage V 480   Rated operational impulse voltage kV 4   Maximum fuse size for short-circuit protection In (gG) 10kA A 32   15kA A 32 25kA A 32   Rated short time current Icw Itime current Icw 10kA A 32	g with
Mounting form mountinal black has black	g with
Rated insulation voltage UiIEC/ENV690UL/CSAV600Rated impulse withstand voltage UimpkV6Conventional free air thermal current IthIEC/ENA32UL/CSAA40Rated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection In (gG)10kAA3210kAA3225kAA3225kAA3250kAA32Rated short time current IcwKurrent IcwKurrent IcwKurrent Icw	
IEC/EN UL/CSAV690 600Rated impulse withstand voltage UimpkV6Conventional free air thermal current IthIEC/EN UL/CSAA32 40Rated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection In (gG)10kA 15kAA32 32 32 50kARated short time current Icw10kAA32 32 	
UL/CSAV600Rated impulse withstand voltage UimpkV6Conventional free air thermal current IthIEC/ENA32UL/CSAA40Rated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection In (gG)10kAA3215kAA3225kAA3250kAA32Rated short time current IcwKUKU	
Rated impulse withstand voltage UimpkV6Conventional free air thermal current IthIEC/EN UL/CSAA32 40Rated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection In (gG)10kA 15kAA32 32 25kARated short time current IcwRated short time current Icw32	
Conventional free air thermal current lth IEC/EN A 32   UL/CSA A 40   Rated operational voltage V 480   Rated operational impulse voltage kV 4   Maximum fuse size for short-circuit protection ln (gG) 10kA A 32   15kA A 32   25kA A 32   25kA A 32   SokA A 32   Rated short time current lcw 10kA A	
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Rated operational voltageV480Rated operational impulse voltagekV4Maximum fuse size for short-circuit protection In (gG)10kAA3215kAA3215kAA3225kAA3225kAA3250kAA323210kAA32	
Rated operational impulse voltage kV 4   Maximum fuse size for short-circuit protection ln (gG) 10kA A 32   15kA A 32   25kA A 32   50kA A 32   Rated short time current lcw 50kA A	
Maximum fuse size for short-circuit protection ln (gG)   10kA A 32   15kA A 32   25kA A 32   50kA A 32   Rated short time current lcw 8 32	
10kA A 32   15kA A 32   25kA A 32   50kA A 32   Rated short time current lcw 32	
15kA A 32   25kA A 32   50kA A 32   Rated short time current Icw	
SokA   A   32     Rated short time current lcw   50kA   A   32	
Rated short time current Icw	
1s kA 800	
Conductivity 10/5 mA	λ/V
Operational current le IEC/EN	
AC1/AC21A	
A 32	
110V A 25	
220/230V A 20	
380/400V A 10	
660/690V A 2	
Rated operational power in AC	
Three-phase AC-3	
220/230V kW 7.5	
380/440V kW 11	
500/690V kW 11	
Single-phase AC-3	
110V kW 2.2	
220/230V kW 4	
380/440V kW 6.5	
Three-phase AC23A 220/230V kW 8	
380/440V kW 15	
500/690V kW 18.5	
Single-phase AC23A	
110V kW 2.2	
220/230V kW 4	
380/440V kW 7.5	



Rated operational current in DC

#### DC21A 48V А 32 32 60V А 110V 6 А 220V А 0.9 DC23A (poles in series) 24V А 32 (1) 48V А 32 (2) 60V А 32 (3) 110V 15 (3) А 220V 12 (4) А DC13 24V А 32 25 48V А 60V А 16 110V А 3 220V 0.5 А Power dissipation W 1.5 Mechanical features Terminals screw M4 1.2 Tightening torque for terminals max Nm Conductor size AWG - Rigid cable AWG min 16 AWG 8 Max AWG - Flexible cable min AWG 16 AWG Max 10 Conductor size (IEC) - Flexible cable min mm<sup>2</sup> 1.5 Max mm<sup>2</sup> 4 Conductor size (IEC) - Rigid cable mm² 1.5 min mm² Max 6 Mechanical life 5x10<sup>6</sup> cycles UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 10 480V HP 15 600V HP 15 for single-phase motor 120V HP 2 5 240V HP Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40

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

°C

max

+70



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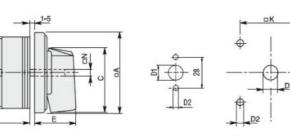
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# Resistance & Protection

Frontal IP degree

Terminals IP degree

Dimensions



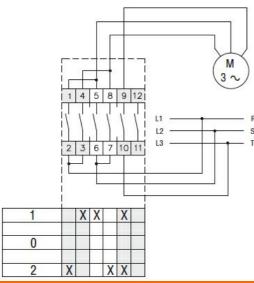
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

IP40

IP00

Series	Dimensions									L Number of elements											
	□A	С	ØD	ØD1	ØD2	Е	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

Complia

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	

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ETIM 8.0

EC001105 - Offload switch