

7GN63840 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 32A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

			Rotary cam
Product designation			switches
Product type designation			7GN63
General characteristics			
Switching diagram			84 - Multi-step 1- 2-3-4-5 1 pole
N° of elements			3
Mounting form			O - Rear
Mounting form			mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	<u>V</u>	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	٨	62
	UL/CSA	A A	63 60
Rated operational voltage	01/03/	 V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	63
	15kA	А	63
	25kA	А	63
	50kA	А	63
	63kA	A	63
Rated short time current Icw			1000
Conductivity	1s	kA	1600
Conductivity Operational current le IEC/EN			10/5 mA/V
AC1/AC21A			
		А	63
AC15			
	110V	А	32
	220/230V	А	25
	380/400V	А	15
	660/690V	A	4
Rated operational power in AC			
Three-phase AC-3	220/2201/		44
	220/230V 380/440V	kW kW	11 18.5
	500/690V	kW	18.5
Single-phase AC-3	000/0001		10.0
	110V	kW	3.7
	220/230V	kW	6.5
	380/440V	kW	11.5
Three-phase AC23A			
	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single-phase AC23A	110V	kW	3.7
	220/230V	kW	3.7 7.5
	220/200 V	IX V V	1.0

7GN63840



7GN63840 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 32A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Mechanical features M5 Terminals screw M5 Tightening torque for terminals max Nm 2			380/440V	kW	12.5
48v A 63 60v A 50 110v A 8 220v A 1 DC23A (poles in series) 24v A 50 (1) 48v A 50 (2) 60v A 50 (2) 60v A 50 (2) 60v A 50 (2) 60v A 50 (2) 60v A 50 (2) 60v A 50 (2) 60v A 63 48v A 40 60v A 63 60v A 63 48v A 40 60v A 28 10v A 33 Power dissipation M V 3.4 Mechanical leatures MS Tightening torque for terminals max Nm 2 Conductor size Fixible cable min min 2.5 Mex MVG 8 14 Max AWG 16 Max 16	Rated operational cur				
60V A 50 110V A 1 DC23A (poles in series) 24V A 50 (1) 48V A 50 (2) 60V A 50 (2) 60V A 50 (2) 60V A 50 (2) 60V A 50 (2) 60V A 50 (2) 60V A 55 (3) 220V A 63 20V A 63 48V A 60 60V A 28 110V A 3.3 Power dissipation W 3.4 448V A 40 60V A 3.4 448V A 40 60V A 3.4 448V A 40 60 Max Nm 2 2 2 Conductor size Max AWG 14 448 448 448 448 448 448 448 448 448 448 <t< td=""><td></td><td>DC21A</td><td></td><td>_</td><td></td></t<>		DC21A		_	
Intervention 100/2 A 8 2200/2 A 1 DC23A (poles in series) 24//4 A 50 (2) 600/4 A 50 (3) 100//4 A 50 (2) 600/4 A 55 (3) 100//4 A 55 (3) DC13 24//4 A 63 48//4 A 40 600/7 A 3.3 100//4 A 3.3 Power dissipation W 3.4 48//4 A 40 600/7 A 3.3 Modentalization MS 110//4 A 3.3 Power dissipation W 3.4 Modentalization MS 110//4 A 3.4 Mechanical features W 3.4 Modentalization MS 14 MS 14 Max AWG 14 Max AWG 8 16 Conductor size (IEC) - Flexible cable min mm² 1.6 16 <					
Image: series biology A 1 DC23A (poles in series) 24V A 50 (1) 48V A 50 (2) 60V A 25 (3) 0C03 220V A 15 (4) 100V A 25 (3) DC13 24V A 63 48V A 40 60V A 28 110V A 28 110V A 23 28 10V A 28 Power dissipation W 3.3 10V A 28 Terminals screw MS 70 10 14 Conductor size AWG - Rigid cable MS 14 Max AWG 14 14 14 AWG - Rigid cable min MWG 14 Max AWG 10 10 10 Conductor size (IEC) - Flexible cable min mm² 16 Maty MMG 14 10 10 10 <td></td> <td></td> <td></td> <td></td> <td></td>					
DC23A (poles in series) 24V A 50 (1) 48V A 50 (2) 60V A 55 (3) 110V A 25 (3) 220V A 15 (4) DC13 24V A 63 48V A 40 600V A 28 100V A 28 Power dissipation W A 3.3 Power dissipation to retreminate max Nm 2 Conductor size MC1 - Rigid cable Min AVG 14 Max AWG 6 AWG 14 Max AWG 6 AWG 8 Conductor size (IEC) - Flexible cable min AWG 14 Max mm² 1.5 4 Max mm² 1.5 4 Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 1.6 1 1 Motor power for directon-line control cycles 5x10* 1					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			2200	A	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		DC23A (poles in series)	241/	۸	50 (1)
60V A 50 (3) 110V A 55 (3) 220V DC13 24V A 63 48V A 40 60V A 23 Power dissipation W 3.3 W A 22 Terminals corew M5 Tightening torque for terminals max Nm 2 Conductor size AWG - Rigid cable Max AWG 6 AWG - Flexible cable min Mm² 2.5 Conductor size (IEC) - Flexible cable min mm² 2.5 Max Max 8 2.5 1.0 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 16 14 Max mm² 16 14 Use tonical fife cycles 5x10° 10 Use tonical fata mm² 16 16 16 Max mm² 16 16 14 14 Use tonical fata mm² 16 120V HP 15					
Image: constraint of the					
Image: constraint of the					
DC13 24V A 63 46V A 40 60V A 28 110V A 3.3 Power dissipation W 3.4 Mechanical features W 3.4 Mechanical features MIS Tightening torque for terminals max Nm 2 Conductor size MIS Conductor size AWG - Rigid cable min AWG 14 AWG - Flexible cable min AWG 14 AWG - Flexible cable min mm² 10 Conductor size (IEC) - Flexible cable min mm² 10 Conductor size (IEC) - Rigid cable min mm² 16 Mechanical life cycles 5x10° 16 Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V 48 25 for single-phase motor 120V HP 25 10 Ambient conditions 120V HP					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		DC13			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2010	24V	А	63
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					
Power dissipation W 3.4 Mechanical features M5 Terminals screw Ms Tightening torque for terminals max Nm 2 Conductor size AWG - Rigid cable min AWG 14 Max AWG 6 AWG 14 Max AWG 8 Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 10 Conductor size (IEC) - Rigid cable min mm² 2.5 Mack and m² 16 cycles 5x10* UL Max mm² 16 Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 10 480V HP 10 Ambient conditions Temperature Coperating temper			60V	А	
Mechanical features M5 Tightening torque for terminals max Nm 2 Conductor size AWG - Rigid cable min AWG 14 Max AWG 6 AWG - Flexible cable min AWG 14 Max AWG 8 Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 10 Conductor size (IEC) - Rigid cable Image: min² 120V HP 7.5			110V	А	3.3
Mechanical features M5 Tightening torque for terminals max Nm 2 Conductor size AWG - Rigid cable min AWG 14 Max AWG 6 AWG - Flexible cable min AWG 14 Max AWG 8 Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 10 Conductor size (IEC) - Rigid cable Image: min² 120V HP 7.5	Power dissipation			W	
Tightening torque for terminals max NM 2 Conductor size AWG - Rigid cable	Mechanical features				
Conductor size AWG - Rigid cable min AWG 14 Max AWG 6 AWG - Flexible cable min AWG 14 Max AWG 8 6 Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 10 7 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 16 7 Mechanical life cycles 5x10° 7 UL technical data mm² 16 7 Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V 480V 48 Ambient conditions Temperature Operating temperature Operating temperature min °C -25 Max °C -25 55 Storage temperature min °C -25 min °C -25 55 Temperature min °C <t< td=""><td>Terminals screw</td><td></td><td></td><td></td><td>M5</td></t<>	Terminals screw				M5
$\begin{tabular}{ c c c c } & AWG & Rigid cable & & & & & & & & & & & & & & & & & & &$	Tightening torque for	terminals max		Nm	2
$\begin{tabular}{ c c c c } \hline min & AWG & 14 \\ \hline Max & AWG & 6 \\ \hline AWG - Flexible cable & & & & \\ \hline Max & AWG & 8 \\ \hline \hline Conductor size (IEC) - Flexible cable & & & & \\ \hline min & mm^2 & 2.5 \\ \hline Max & mm^2 & 10 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline \hline Mechanical life & & & & & \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline \hline Mechanical life & & & & & \\ \hline UL technical data & & & & & \\ \hline Motor power for direct-on-line control & & & & \\ \hline for three-phase motor & & & & \\ \hline for three-phase motor & & & & \\ \hline for three-phase motor & & & & \\ \hline \hline for single-phase motor & & & & \\ \hline \hline for single-phase motor & & & & \\ \hline \hline Ambient conditions & & & & \\ \hline Temperature & & & \\ \hline Operating temperature & & & & \\ \hline \hline Motor power for direct & & & & \\ \hline for storage temperature & & & & \\ \hline \hline Methem temperature & & & & \\ \hline \hline \hline for targe temperature & & & & \\ \hline \hline min & {}^{\circ}C & -25 \\ \hline max & {}^{\circ}C & -40 \\ \hline \hline \end{array}$	Conductor size				
$\begin{tabular}{ c c c c } \hline Max & AWG & 6 \\ \hline AWG - Flexible cable & & & & & & & & & & & & & & & & & & &$		AWG - Rigid cable			
AWG - Flexible cable min AWG 14 Max AWG 8 Conductor size (IEC) - Flexible cable min mm² 2.5 Max mm² 10 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 10 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 16 Mechanical life cycles 5x10° UL technical data cycles 5x10° Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 for single-phase motor 120V HP 3 240V HP 3 Ambient conditions 240V HP 10 10 10 Ambient conditions min °C -25 12 10 Temperature Operating temperature min °C -25 10 Storage temperature min °C -25 15 15 <			min	AWG	14
$\begin{tabular}{ c c c c c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $			Max	AWG	6
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		AWG - Flexible cable			
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			min		14
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Max	AWG	8
Max mm² 10 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 16 Mechanical life cycles 5x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 600V HP 25 for single-phase motor 120V HP 3 240V HP 10 Ambient conditions Temperature 0 120V HP 3 240V HP 10 Ambient conditions Temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +55		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cableminmm²2.5Maxmm²16Mechanical lifecycles $5x10^{\circ}$ UL technical dataMotor power for direct-on-line control for three-phase motor120VHP7.5240VHP15480VHP25600VHP25500VHP3Operating temperaturemin°C-25Motor for single-phase motorI20VHP3240VHP3240VHP3240VHP3240VHP3C+55Storage temperaturemin°C-25min°C-25max°C+55Storage temperaturemin°C-25min°C-40					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			Max	mm²	10
Max mm² 16 Mechanical life cycles 5x10° UL technical data		Conductor size (IEC) - Rigid cable		2	
Mechanical life cycles 5x10 ^e UL technical data Motor power for direct-on-line control for three-phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$					
UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 for single-phase motor 120V HP 3 240V HP 3 for single-phase motor 120V HP 3 240V HP 10 Ambient conditions Temperature Operating temperature min °C -25 Motor strange temperature min °C +55 Storage temperature min °C -40			Max		
Motor power for direct-on-line control for three-phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				cycles	5X10°
for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 for single-phase motor 120V HP 3 240V HP 10 Ambient conditions 120V HP 10 Ambient conditions 5 5 5 Temperature min °C -25 Storage temperature min °C +55		t en line control			
120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3 240V HP 10 10 Ambient conditions	motor power for direc				
240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3 240V HP 10 10 Ambient conditions		for thee-phase motor	120\/	ЦD	75
480V 600VHP 25for single-phase motor120V 240VHP 10Ambient conditionsTemperatureOperating temperaturemin x°C x+55Storage temperaturemin x°C x+55					
600V HP 25 for single-phase motor 120V HP 3 120V HP 10 Ambient conditions Temperature Uperating temperature 0perating temperature min °C -25 max °C +55 Storage temperature min °C -40					
for single-phase motor 120V HP 3 240V HP 10 Ambient conditions Temperature Operating temperature					
120V HP 3 240V HP 10 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40		for single-phase motor	0001		20
240V HP 10 Ambient conditions		for single phase motor	120V	HP	3
Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40	Ambien <u>t conditions</u>				- -
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
min °C -25 max °C +55 Storage temperature min °C -40		Operating temperature			
			min	°C	-25
Storage temperature min °C -40					
min °C -40		Storage temperature			
max °C +70			min	°C	-40
			max	°C	+70

7GN63840

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



7GN6384O ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 32A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

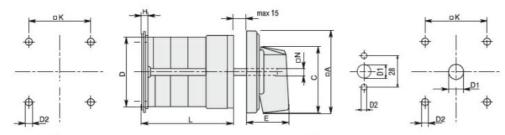
IP40 IP00

Resistance & Protection

Frontal IP degree

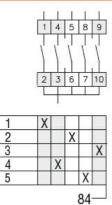
Terminals IP degree

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		
	cCSAus	
	EAC	
	UL	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch,

complete

7GN63840