

## **7GN1275U** ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM



Product designation			Rotary cam
-			switches 7GN12
Product type designation General characteristics			7GN12
			75 - Changeover
Switching diagram			switch 4 poles
N° of elements			4
			U - Front
Mounting form			mounting with black handle
Contact characteristics			DIACK NANCIE
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	А	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	4.01-0	٨	4.0
	10kA 15kA	A A	16 10
	25kA	A	10
Rated short time current Icw	20101		10
	1s	А	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A A	4 1.5
Rated operational power in AC	000/030 v	~	1.0
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A	000/0001	L\\/	2
	220/230V	kW	3

7GN1275U

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



# **7GN1275U** ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

		000/4401/	1.1.4.7	
		380/440V	kW	5.5
	<u></u>	500/690V	kW	7.5
	Single-phase AC23A	44014		
		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cu				
	DC21A		_	
		48V	A	12
		60V	A	12
		110V	A	4
		220V	А	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	А	10 (2)
		60V	А	10 (3)
		110V	А	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	А	8
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.8
Power dissipation Mechanical features			W	0.8
			W	0.8 M3
Mechanical features Terminals screw	terminals max		W Nm	
Mechanical features Terminals screw Tightening torque for	terminals max			М3
Mechanical features Terminals screw				М3
Mechanical features Terminals screw Tightening torque for	terminals max AWG - Rigid cable	min	Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for			Nm	M3 0.5 20
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	min Max	Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for		Max	Nm AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG AWG	M3 0.5 20 12 20
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 3x10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	Nm AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 3x10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 3x10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 <sup>6</sup> 1.5 3
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 3x10 <sup>6</sup> 1.5 3 0.5
Mechanical features Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 <sup>6</sup> 1.5 3

Temperature

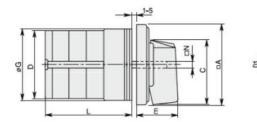
7GN1275U



### 7GN1275U ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

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				

Dimensions

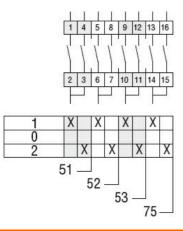


D2 0

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

Series	Dimensions							L Number of elements													
Series	□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

#### 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

7GN1275U

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

7GN1275U



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete