ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE



			•
Product designation			Rotary cam switches
Product type designation			7GN32
General characteristics			44 0 1
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	32
	UL/CSA	Α	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	32
	15kA	Α	32
	25kA	Α	32
	50kA	Α	32
Rated short time current lcw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1045		Α	32
AC15	44017	۸	25
	110V 220/230V	A A	25 20
	380/400V	A	10
	660/690V	A	2
Rated operational power in AC	000/030 V		
Three-phase AC-3			
Tillee pilase Ao-s	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC-3			<u> </u>
3 1	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5





ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

	Three-phase AC23A			
	Tilloo pilaoo / (020/ (220/230V	kW	8
		380/440V	kW	15
		500/440V	kW	18.5
	Cinale phase AC22A	300/090 V	N V V	10.5
	Single-phase AC23A	440)/	1.147	0.0
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational cur				
	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)	- -		
	2020/1 (poido iii dollod)	24V	Α	32 (1)
		48V	A	32 (1)
		46 V 60 V	A	
				32 (3)
		110V	A	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	Α	25
		60V	Α	16
		110V	Α	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
ivieci al lical leatures				
				M4
Terminals screw	terminals may		Nm	M4
Terminals screw Tightening torque for t	terminals max		Nm	M4 1.2
Terminals screw			Nm	
Terminals screw Tightening torque for t	terminals max AWG - Rigid cable			1.2
Terminals screw Tightening torque for t		min	AWG	1.2
Terminals screw Tightening torque for t	AWG - Rigid cable	min Max		1.2
Terminals screw Tightening torque for t		Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for t	AWG - Rigid cable		AWG	1.2
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	1.2 16 8
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	1.2 16 8
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for to Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for t Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	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	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	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 480V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	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	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	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 480V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15
Terminals screw Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
Terminals screw Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15



ENERGY AND AUTOMATION

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

Ambient conditions

Temperature

Operating temperature

min	°C	-25
 max	°C	+55

Storage temperature

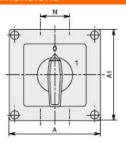
min °C -40 max °C +70

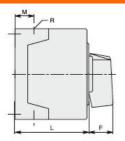
Resistance & Protection

Frontal IP degree IP65

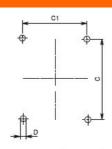
Terminals IP degree IP00

Dimensions







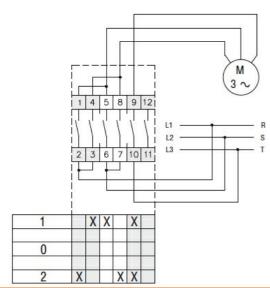


Series	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20]	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0.000		0.000	100000	100000000	2000	100000				200000000000000000000000000000000000000	0900000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4			3.55				337.55					31-32-5-5-5
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	30.4	00	4.5	32	21	39.3	00.0	119.5	47.5021	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	1100
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1 - 3	4 - 6	100	234	120	190	5.5	32	33	76	121	1/5	2xPG11	1100
7GN125		1 - 2	3 - 4	4											

Wiring diagrams



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch