ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE



Product designation			Enclosed rotary cam switch
Product type designation			7GN40
General characteristics			
Switching diagram			90 - ON/OFF
N° of elements			switch 1 pole
N OF Elements			P - Plastic
Mounting form			enclosure with
3			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	150/51		
	IEC/EN	A	40
Dated aparational valtage	UL/CSA	A V	50
Rated operational voltage		kV	480
Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG)		KV	4
Maximum ruse size for short-circuit protection in (99)	10kA	Α	40
	15kA	A	40
	25kA	A	40
	50kA	Α	40
	63kA	Α	40
Rated short time current lcw			_
	1s	Α	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	40
AC15			
	110V	Α	25
	220/230V	A	22
	380/400V	A	12
Rated operational power in AC	660/690V	Α	2
Three-phase AC-3			
Tillee-phase AO-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



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

	Three-phase AC23A			
	·	220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
	emigre pridee / reze/r	110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curr	rent in DC	300/4+0 V	IXVV	11
rtated operational curi	DC21A			
	DOZTA	48V	Α	40
		60V	A	40
		110V	A	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				-
Terminals screw				M4
Terminals screw Tightening torque for t	erminals max		Nm	M4 1.2
Tightening torque for t	erminals max		Nm	M4 1.2
			Nm	
Tightening torque for t	erminals max AWG - Rigid cable	min		1.2
Tightening torque for t		min May	AWG	1.2
Tightening torque for t	AWG - Rigid cable	min Max		1.2
Tightening torque for t		Max	AWG AWG	1.2 16 8
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	1.2 16 8
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	1.2 16 8
Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10 1.5
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
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 6
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6
Tightening torque for t	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 6 1.5
Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6
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	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
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	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
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	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
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	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
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	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	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 6 1.5 10 5x10 ⁶
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 con-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
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	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 6 1.5 10 5x10 ⁶ 5 10 20 20
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 con-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² mm² cycles	1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
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 con-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 6 1.5 10 5x10 ⁶ 5 10 20 20



ENERGY AND AUTOMATION

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Temperature

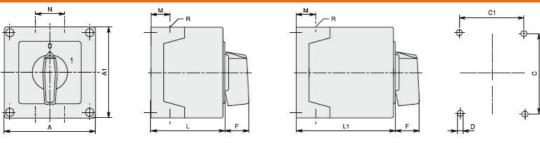
Operating temperature

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

Resistance & Protection

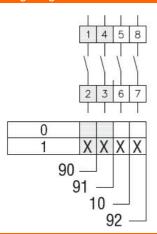
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



Series	Enclosure	Number o	f elements	Dimensions						Cable	Protection				
Series	size	L	L1	Α	A1	С	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					200000					
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					10000							530004-200002
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20	2	1-4	5 - 8												
7GN25	1	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	90.4	63	4.5	32	21	39.5	65.5	119.5	4XPG21	1700
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												- 33
7GN40	2019-010008-0000	1 - 2	3 - 4	105	175	140	440		32	21	68	040	1100	4xPG21	IDCE
7GN63]	1 - 2	3 - 4	125	175	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		20	25	70	404	475	4xPG29	IDCE
7GN63	1	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



ENERGY AND AUTOMATION

7GN4090P

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete