

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN25
			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Detail invariance with stead college Library	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional nee all thermal current till	IEC/EN	Α	25
	UL/CSA	A	30
Rated operational voltage	<u> </u>	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
•	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current lcw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		۸	25
AC15		Α	20
7010	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
Cingle phase AC 2	500/690V	kW	7.5
Single-phase AC-3	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
		·	



7GN2592O48

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

	Three-phase AC23A			
	•	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	000/0001	11.4.4	- ' '
	Single-phase A025A	110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cur				
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
	u · · · · · · · · · · · ·	24V	Α	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V		
			A	12 (3)
		220V	Α	10 (4)
	DC13		_	
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Mechanical features Terminals screw				M3.5
Terminals screw	terminals max		Nm	M3.5
Terminals screw Tightening torque for	terminals max		Nm	M3.5 0.8
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable	i		0.8
Terminals screw Tightening torque for		min	AWG	0.8
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for		Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable		AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Terminals screw Tightening torque for 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	min Max min Max min Max min Max min Max Max	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	min Max min Max min Max min Max min Max Max	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15
Terminals screw Tightening torque for 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	min Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶



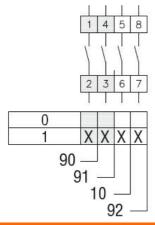
ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00 **Dimensions**

5 L1 39 10

Carias	L1		
Series	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

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





ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete