

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			10 - ON/OFF
			switch 3 poles
N° of elements			2 O48 - Modular
Mounting form Contact characteristics			service cover for 35mm din rail mounting with black handle
Rated insulation voltage Ui			
Nateu irisulation voitage of	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	25
Peter I constitute of the cons	UL/CSA	A	30
Rated operational voltage Rated operational impulse voltage		V kV	480
Maximum fuse size for short-circuit protection In (gG)		KV	4
maximum ruse size for short effecti protection in (90)	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		٨	25
AC15		A	25
ACIS	110V	Α	16
	220/230V	A	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
Single-phase AC-3	500/690V	kW	7.5
Sillyle-pilase AC-3	110V	kW	1.5
	220/230V	kW	3
	,		-





	Three-phase AC23A			
	111100 phago 71020/1	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single phase AC22A	300/090 V	N V V	
	Single-phase AC23A	440)/	1.147	4.5
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational curi				
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)		- ' ' '	
	2020/ (poico ili ociico)	24V	Α	25 (1)
		48V		
			A	25 (2)
		60V	A	25 (3)
		110V	Α	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
			• • •	111
Mechanical features				
Mechanical features Terminals screw				M3 5
Terminals screw	orminals may		Nm	M3.5
Terminals screw Tightening torque for t	erminals max		Nm	M3.5 0.8
Terminals screw			Nm	
Terminals screw Tightening torque for t	erminals max AWG - Rigid cable			0.8
Terminals screw Tightening torque for t		min	AWG	20
Terminals screw Tightening torque for t	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for t		Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for t	AWG - Rigid cable		AWG	20
Terminals screw Tightening torque for t	AWG - Rigid cable	Max	AWG AWG	0.8 20 10
Terminals screw Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	0.8 20 10 20 12
Terminals screw Tightening torque for t	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 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	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for t 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 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	0.8 20 10 20 12 0.5 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	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for t 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 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	0.8 20 10 20 12 0.5 4 0.5 4 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	0.8 20 10 20 12 0.5 4 0.5 4 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	0.8 20 10 20 12 0.5 4 0.5 4 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	0.8 20 10 20 12 0.5 4 0.5 4 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	0.8 20 10 20 12 0.5 4 0.5 4 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 c-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	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 to 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 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 3 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 c-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶

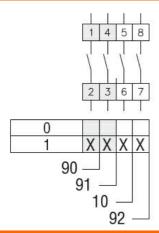


Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00 **Dimensions**

5 L1 39 49x29

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





UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete