

## **7GN2506U** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam
Product type designation			switches 7GN25
General characteristics			101120
Switching diagram			06 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			U - Front mounting with 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			<b>.</b> -
	IEC/EN	A	25
Rated operational voltage	UL/CSA	A V	30 480
Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ΓV	
	10kA	А	25
	15kA	A	25
	25kA	А	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	25
AC15	4401/	•	4.0
	110V 220/230V	A A	16 12
	380/400V	A	8
	660/690V	A	2
Rated operational power in AC	000/000 1	7.	2
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A	220/2201/	1-1.1.1	6 5
	220/230V 380/440V	kW kW	6.5 11
	500/690V	kW	11
Single-phase AC23A	500,030 V		
	110V	kW	1.5
	220/230V	kW	3.7
	220,200		0.1

## Rated operational current in DC

7GN2506U



7GN2506U

## **7GN2506U** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

	DC21A				
		48V	А	25	
		60V	А	25	
		110V	A	4	
		220V	A	0.7	
	DC23A (poles in series)	0.01/	•	05 (4)	
		24V	A	25 (1)	
		48V	A	25 (2)	
		60V	A	25 (3)	
		110V 220V	A	12 (3)	
	DC13	2200	A	10 (4)	
	DC13	24V	А	25	
		24 V 48 V	A	20	
		40V 60V	A	16	
		110V	A	1.5	
		220V	A	0.4	
Power dissipation		2201	W	1.1	
Mechanical features			VV	1.1	
Terminals screw				M3.5	
Tightening torque for t	terminals max		Nm	0.8	
Conductor size				0.0	
	AWG - Rigid cable				
		min	AWG	20	
		Max	AWG	10	
	AWG - Flexible cable				
		min	AWG	20	
		Max	AWG	12	
	Conductor size (IEC) - Flexible cable				
		min	mm²	0.5	
		Max	mm²	4	
	Conductor size (IEC) - Rigid cable				
		min	mm²	0.5	
		min Max	mm² mm²	0.5 4	
Mechanical life					
Mechanical life UL technical data			mm²	4	
			mm²	4	
UL technical data		Max	mm²	4	
UL technical data	t-on-line control	<u>Max</u> 120V	mm <sup>2</sup> cycles HP	4 5x10 <sup>6</sup> 3	
UL technical data	t-on-line control	Max 120V 240V	mm² cycles HP HP	4 5x10 <sup>6</sup> 3 5	
UL technical data	t-on-line control	Max 120V 240V 480V	mm <sup>2</sup> cycles HP HP HP	4 5x10 <sup>6</sup> 3 5 10	
UL technical data	t-on-line control for three-phase motor	Max 120V 240V	mm² cycles HP HP	4 5x10 <sup>6</sup> 3 5	
UL technical data	t-on-line control	Max 120V 240V 480V 600V	mm <sup>2</sup> cycles HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15	
UL technical data	t-on-line control for three-phase motor	Max 120V 240V 480V 600V 120V	mm <sup>2</sup> cycles HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15 1.5	
UL technical data Motor power for direct	t-on-line control for three-phase motor	Max 120V 240V 480V 600V	mm <sup>2</sup> cycles HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15	
UL technical data Motor power for direct	t-on-line control for three-phase motor	Max 120V 240V 480V 600V 120V	mm <sup>2</sup> cycles HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15 1.5	
UL technical data Motor power for direct	t-on-line control for three-phase motor for single-phase motor	Max 120V 240V 480V 600V 120V	mm <sup>2</sup> cycles HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15 1.5	
UL technical data Motor power for direct	t-on-line control for three-phase motor	Max 120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15 1.5 3	
UL technical data Motor power for direct	t-on-line control for three-phase motor for single-phase motor	Max 120V 240V 480V 600V 120V 240V	mm <sup>2</sup> cycles HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15 1.5 3	
UL technical data Motor power for direct	t-on-line control for three-phase motor for single-phase motor Operating temperature	Max 120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15 1.5 3	
UL technical data Motor power for direct	t-on-line control for three-phase motor for single-phase motor	Max 120V 240V 480V 600V 120V 240V 240V	mm <sup>2</sup> cycles HP HP HP HP HP HP C °C	4 5x10 <sup>6</sup> 3 5 10 15 1.5 3 -25 +55	
UL technical data Motor power for direct	t-on-line control for three-phase motor for single-phase motor Operating temperature	Max 120V 240V 480V 600V 120V 240V 240V	mm² cycles HP HP HP HP HP C	4 5x10 <sup>6</sup> 3 5 10 15 1.5 3 -25 +55 -40	
UL technical data Motor power for direct	t-on-line control for three-phase motor for single-phase motor Operating temperature Storage temperature	Max 120V 240V 480V 600V 120V 240V 240V	mm <sup>2</sup> cycles HP HP HP HP HP HP C °C	4 5x10 <sup>6</sup> 3 5 10 15 1.5 3 -25 +55	

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



## **7GN2506U** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Frontal IP degree		IP40
Terminals IP degr	ee	IP00
Dimensions		
Wiring diagrams		
0 1 X X 05 06 07	4 5 8 3 6 7 X X X 08	
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	
0	UL60947-4-1	
Certificates	224	
	cCSAus	
	EAC	
ETIM classification	UL	
		EC001029 -
		EC001029 -

ETIM 8.0

Selector switch, complete