

7GN1290U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



			THE P
Product designation			Rotary cam
-			switches
Product type designation			7GN12
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U12 - Front
			mounting without
Mounting form			front plate with
			key operation for hole diam. 22mm
			fixing
Contact characteristics			Ŭ,
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			
	IEC/EN	А	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			4.0
	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current Icw	ZJKA	A	10
	1s	А	200
Conductivity	15	<u> </u>	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	А	1.5
Rated operational power in AC			
Three-phase AC-3	000/000		o -
	220/230V	kW	2.5
	380/440V	kW	4
Single phase AC 2	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.8
	220/230V	кvv kW	0.8 1.5
	220/230V	L A A	1.0

7GN1290U12

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



7GN1290U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3 Rated operational current in DC DC21A 48V А 12 60V А 12 110V А 4 220V А 0.6 440V 0.25 А DC23A (poles in series) А 24V 10(1) 10 (2) 48V А 10 (3) 60V А 110V А 5 (3) 5 (4) 220V А DC13 24V А 12 48V А 10 60V А 8 110V А 1 220V А 0.4 440V А 0.15 Power dissipation W 0.8 Mechanical features Terminals screw M3 Tightening torque for terminals max 0.5 Nm Conductor size AWG - Rigid cable AWG 20 min AWG Max 12 AWG - Flexible cable 20 min AWG Max AWG 14 Conductor size (IEC) - Flexible cable mm² min 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5 Mechanical life 3x10⁶ cycles UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V ΗP 0.5

7GN1290U12

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

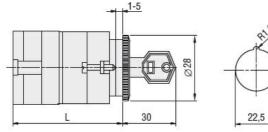


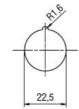
7GN1290U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

240V ΗP 1 Ambient conditions Temperature Operating temperature °C -25 min

		-		
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Discussion of the second se				

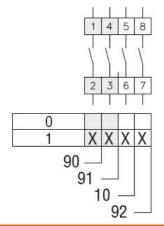
Dimensions





Series	L			
	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

Wiring diagrams



Certifications and compliance

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



ENERGY AND AUTOMATION

7GN1290U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete