ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			05 - ON/OFF switch 1 pole
N° of elements			1
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	600
	UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	ULICOA	kV	6
Conventional free air thermal current Ith		ΚV	0
Conventional free all thermal current full	IEC/EN	Α	20
	UL/CSA	A	20
Rated operational voltage	02/00/1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			· ·
	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current lcw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	000/0001	[-1.67	2
	220/230V 380/440V	kW	3
	380/440V 500/690V	kW kW	5.5 5.5
Single-phase AC-3	300/0301	L/ V V	J.J
Olligie-pliase AO-0	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			-
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
.	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7

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	D0044			
	DC21A	4017	۸	00
		48V	A	20
		60V	A	20
		110V	A	4
		220V 440V	A A	0.6 0.25
	DC22 A (polos in serios)	440 V	A	0.23
	DC23A (poles in series)	24V	۸	20 (1)
			A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
	DO40	220V	Α	8 (4)
	DC13	0.41.7	Δ.	00
		24V	A	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	rminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	-	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable		7	
	Contactor of the (120) Troxible capit	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVICA	111111	2.0
	Conductor Size (ILO) - Migid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAX		5x10 ⁶
UL technical data			cycles	53.10
Motor power for direct-	on-line control			
wotor power for direct-				
	for three-phase motor	120\/	UП	1 5
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
	for single-phase motor	120V	HP	0.75
	for single-phase motor	120V 240V	HP HP	0.75 2
Ambient conditions	for single-phase motor			
Ambient conditions Temperature				
	Operating temperature	240V	HP	2
			HP °C	-25
	Operating temperature	240V	HP	2
		240V min	°C °C	-25 +55
	Operating temperature	240V min	HP °C	-25



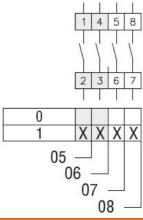
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ON .	WITH BLACK HANDLE, FRONT PLATE 48X48MM

	Παλ	C	Ŧ10
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

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

EC001105 - Offload switch