



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Draduat designation				Rotary cam
Product designation				switches
Product type designation				7GN20
General characteristics				40. Dahlandar
Switching diagram				19 - Dahlander motor control
Switching diagram				switch 0-1-2
N° of elements				4
				U47 - Snap on
				fron mounting
Mounting form				with black handle
				for hole diam.
Out to the land of the				22mm finxing
Contact characteristics				
Rated insulation voltage	e Ui	IEO/EN		000
		IEC/EN	V	690
Data Plana Inc. 20 at a	Landa and Pro-	UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air th	ermai current ith	IEC/EN	۸	20
		IEC/EN UL/CSA	A	20 20
Rated operational volta	go.	UL/C3A	A V	480
Rated operational impu	•		kV	4
	short-circuit protection In (gG)		K V	4
Maximum ruse size ioi	short-circuit protection in (gG)	10kA	Α	20
		15kA	A	16
		25kA	A	16
Rated short time currer	nt Icw	2010 (
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le I	EC/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	er in AC			
	Three-phase AC-3			
		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
	Single-phase AC-3			
		110V	kW	0.8
		220/230V	kW	2.2
	There are ACCOA	380/440V	kW	3
	Three-phase AC23A	200/2201	1-///	E
		220/230V 380/440V	kW kW	5 7.5
		500/690V	kW	7.5 7.5
	Single-phase AC23A	300/030 V	17 V V	1.0
	olingio priado AOZOA	110V	kW	0.8



ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			
,	DC21A			
		48V	Α	20
		60V	Α	20
		110V	A	4
		220V	A	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			· /
		24V	Α	20
		48V	A	16
		60V	A	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	erminals max		Nm	0.5
Conductor size				0.0
Conductor Size	AWG - Rigid cable			
	AVVG - Kigid Cable		A1A/C	20
		min	AWG	20
	-	Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	, ,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVION		~
	Conductor Size (IEO) - Migid Cable	min	mm²	0.5
		min Mov	mm²	
March 2 127		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single phase mater	000 V	1.11.	10
	for single-phase motor	1001		0.75
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		111111		

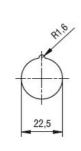


ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

1-5

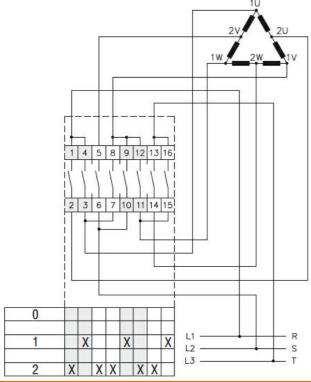
L



0	Dimensions		L			
Series	□A	Е	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

E

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



ENERGY AND AUTOMATION

7GN2019U47

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Certificates			
	cCSAus		
	EAC		
	UL		
ETIM classificatio	n		

ETIM 8.0

EC001029 -Selector switch, complete