



ROTARY CAM SWITCH GF SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation	Product designation			Rotary cam switches
Switching diagram Rath Multi-step 1- 2-3-4-5 t pole N* of elements Rath Multi-step 1- 2-3-4-5 t pole N* of elements Rath Multi-step 1- 2-3-4-5 t pole Mounting form Rath Multi-step 1- 2-3-4-5 t pole Make Multi-step 1- 2-3-4-5 t pole Rated insulation voltage Ui Rath Multi-step 1- 2-3-4-5 t pole Rated inpulse withstand voltage Uimp Rath Multi-step 1- 2-4-5 t pole Rated inpulse withstand voltage Uimp Rath Multi-step 1- 2-4-5 t pole Rated operational free air thermal current lith Rated operational voltage R.V.	Product type designation			
Switching diagram 2-3-4-5 1 pole 2	General characteristics			
Mounting form	Switching diagram			•
Mounting form Mounting with black handle Mounting with black handle	N° of elements			3
Rated insulation voltage Uimp	Mounting form			mounting with
IEC/EN V 480 UL/CSA V 240 Rated impulse withstand voltage Ulimp kV 4 4 Conventional free air thermal current lth IEC/EN A 20 UL/CSA A 15 Rated operational voltage W 4 4 4 4 4 4 4 4 4	Contact characteristics			
Rated impulse withstand voltage Uimp	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp				
Conventional free air thermal current Ith		UL/CSA		
IEC/EN A 20			kV	4
Rated operational voltage X	Conventional free air thermal current Ith		_	
Rated operational voltage				
Rated operational impulse voltage KV 4	Detect on anti-production of contract	UL/CSA		
Maximum fuse size for short-circuit protection In (gG) 10kA				
10kA A 20 15kA A 20 25kA A 20 20 25kA A 20 20 25kA A 20 20 20 20 20 20 20			KV	4
15kA A 20 25kA A 20 25kA A 20 20 20 20 20 20 20	Maximum ruse size for short-circuit protection in (gG)	1014	۸	20
Rated short time current Icw 1s				
Rated short time current lcw				
The contact of the	Rated short time current Icw	20101	, ,	
Conductivity	Trailed Short time Santon ton	1s	kA	250
AC1/AC21A	Conductivity			
AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 Single-phase AC-3 Three-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A Three-phase AC23A 220/230V kW 4.5 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 220/230V kW 1.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.5 220/230V kW 1.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 7.5 Rated operational current in DC DC21A				
AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 2.5 Rated operational current in DC DC21A A8V A 20				
110V			Α	20
Rated operational power in AC Three-phase AC-3	AC15			_
Rated operational power in AC			Α	10
Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 7.5 Rated operational current in DC DC21A 48V A 20			Α	8
Three-phase AC-3 220/230V kW 3 380/440V kW 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 2.5 Rated operational current in DC DC21A 48V A 20		380/400V	A	6
Single-phase AC-3				
Single-phase AC-3	Three-phase AC-3	000/000		
Single-phase AC-3				
110V kW 0.5 220/230V kW 1.5 380/440V kW 2	Single phase AC 2	380/4401	KVV	5
220/230V	Single-phase AC-3	110\/	L\\/	0.5
380/440V kW 2				
Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 2.5 Rated operational current in DC DC21A 48V A 20				
220/230V	Three-phase AC23A	000/1101	1000	
380/440V kW 7.5	,	220/230V	kW	4
Single-phase AC23A				
220/230V kW 2 380/440V kW 2.5	Single-phase AC23A			
220/230V kW 2 380/440V kW 2.5	.	110V	kW	0.75
Rated operational current in DC DC21A 48V A 20		220/230V	kW	2
DC21A 48V A 20		380/440V	kW	2.5
48V A 20				_
	DC21A			
60V A 20				
		60V	Α	20

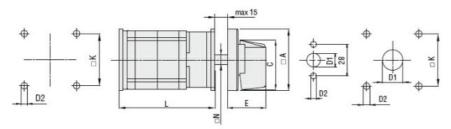




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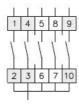
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	A	6
		60V	A	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
2311440101 0120	AWG - Rigid cable			
	AWG - Nigiti Cable	min	AWG	20
		min	_	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVICA		
	Conductor size (IEC) - Nigid Cable	min	ma ma 2	0 E
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
	·	240V	HP	3
	for single-phase motor			
	Tot omgre phase moter	240V	HP	1
Ambient conditions		2401		•
Temperature				
	Operating temperature			
		min	°C	-25
			0.0	+55
		max	°C	+55
	Storage temperature	max	-10	+55
	Storage temperature	max	°C	-40
	Storage temperature	min	°C	-40
Resistance & Protection				
Resistance & Protection		min	°C	-40 +70
Frontal IP degree		min	°C	-40 +70
		min	°C	-40 +70

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Sories Dimensions					L Number of elements														
Series	□A	С	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	39.5	12	5	26.5	36	□6	46	59.5	73	86.5	100	113.5	127	140.5	154	167.5	181	194.5

Wiring diagrams



1	X				
2			Χ		
3					X
4		X			
5				Χ	
				24	

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

cULus

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete