

ROTARY CAM SWITCH GX SERIES, STAR-DELTA MOTOR STARTER SWITCH 32A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product type designation	Product designation				Rotary cam switches
Switching diagram 12 - Star-delta motor starter switch 12 - Star-delta motor starter switch 12 - Star-delta motor starter switch 13 - Star-delta motor starter switch 14 - Tenta mounting with black handle 14 - Tenta mounting with black handle 15 - Tenta mounting with bla	Product type designati	on			
Switching diagram motor starter subtractions and product of the produc					
Mounting form	Switching diagram				motor starter
Mounting form Mounting form Mounting with black handle	N° of elements				
Rated insulation voltage Uinp IEC/EN V 690 000 0	Mounting form				mounting with
IEC/EN V 690 000	Contact characteristics	;			
Rated impulse withstand voltage Ulimp	Rated insulation voltag	e Ui			
Rated impulse withstand voltage Uimp			IEC/EN	V	690
Conventional free air thermal current Ith			UL/CSA	V	600
IEC/EN	Rated impulse withstar	nd voltage Uimp		kV	6
Rated operational voltage V V V V V V V V V	Conventional free air th	nermal current Ith			
Rated operational voltage			IEC/EN	Α	32
Rated operational impulse voltage Rated operational impulse voltage Rated operational impulse size for short-circuit protection In (gG) 10kA			UL/CSA	Α	32
Maximum fuse size for short-circuit protection In (gG)	Rated operational volta	age		V	440
10kA	Rated operational imp	ulse voltage		kV	4
Table Tabl	Maximum fuse size for	short-circuit protection In (gG)			_
Rated short time current Icw			10kA	Α	35
Rated short time current low			15kA	Α	35
Table A 1000 10/5 mA/V 10/5 mA/V			25kA	Α	35
Conductivity	Rated short time curre	nt Icw			
A 32 A 32 A A A A A A A A A			1s	Α	1000
AC1/AC21A AC15 AC15 T110V A 25 220/230V A 20 380/400V A 10 660/690V A 2 Rated operational power in AC Three-phase AC-3 AC20/230V KW 7.5 380/440V KW 11 Single-phase AC-3 Three-phase AC-3 Three-phase AC-3 AC20/230V KW 11 Single-phase AC-3 AC20/230V KW 11 AC20/230V KW 11 AC20/230V KW 11 AC20/230V KW 15 AC20/230V KW 15 AC20/230V KW 15 AC20/230V KW 15	Conductivity				10/5 mA/V
AC15 AC15 110V A 25 220/230V A 20 380/400V A 10 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 7.5 380/440V kW 11 500/690V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 5.5 Three-phase AC23A 110V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5	Operational current le	IEC/EN			_
AC15 110V A 25 220/230V A 20 380/400V A 10 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 7.5 380/440V kW 11 500/690V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 5.5 Three-phase AC23A 110V kW 15 500/690V kW 15 500/690V kW 15 500/690V kW 15		AC1/AC21A			
110V				Α	32
220/230V		AC15			
Rated operational power in AC Three-phase AC-3			110V	Α	25
660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 7.5 380/440V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5			220/230V	Α	20
Rated operational power in AC Three-phase AC-3 220/230V kW 7.5 380/440V kW 11 500/690V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 15 500/690V kW 15 Single-phase AC23A			380/400V	Α	10
Three-phase AC-3 220/230V kW 7.5 380/440V kW 11 500/690V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 Single-phase AC23A 110V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5			660/690V	Α	2
220/230V kW 7.5 380/440V kW 11 500/690V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 Single-phase AC23A 110V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5	Rated operational pow	er in AC			
380/440V kW 11 500/690V kW 11 Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 Single-phase AC23A 110V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5		Three-phase AC-3			
Single-phase AC-3			220/230V	kW	7.5
Single-phase AC-3 110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5			380/440V	kW	11
110V kW 1.8 220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5			500/690V	kW	11
220/230V kW 3.5 380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5		Single-phase AC-3			
380/440V kW 5.5 Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5				kW	1.8
Three-phase AC23A 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5			220/230V	kW	3.5
220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5			380/440V	kW	5.5
380/440V kW 15 500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5		Three-phase AC23A			
500/690V kW 15 Single-phase AC23A 110V kW 2.2 220/230V kW 3.5					
Single-phase AC23A 110V kW 2.2 220/230V kW 3.5					
110V kW 2.2 220/230V kW 3.5			500/690V	kW	15
220/230V kW 3.5		Single-phase AC23A			
380/440V kW 6					
			380/440V	kW	6

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Rated operational curr	rent in DC			_
'	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	5
		220V	Α	0.8
		440V	Α	0.25
	DC23A (poles in series)	-		
	· · · · · · · · · · · · · · · · ·	24V	Α	32 (1)
		48V	Α	32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	A	12 (4)
	DC13			.= (.)
	5010	24V	Α	32
		48V	A	25
		60V	A	14
		110V	A	3
		220V	A	0.5
		440V	A	0.15
Power dissipation		440 V	W	1.6
Mechanical features			VV	1.0
Terminals screw				M4
Tightening torque for to	orminals may		Nm	1.2
Conductor size	eminais max		INIII	1.2
Conductor size	ANAC Divid coble			
	AWG - Rigid cable		A1A/O	4.0
		min	AWG	16
	ANAIG FILE THE STATE	Max	AWG	8
	AWG - Flexible cable		414/0	4.0
		min	AWG	16
	O	Max	AWG	10
	Conductor size (IEC) - Flexible cable			4.5
		min	mm²	1.5
	0 1 1 (150) 51 11 11	Max	mm²	6
	Conductor size (IEC) - Rigid cable		2	4 =
		min	mm²	1.5
NA 1 2 117		Max	mm²	10
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor	4001		0
		120V	HP	3
		240V	HP	7.5
		480V	HP	15
		600V	HP	15
	for single-phase motor			4 =
		120V	HP	1.5
A 11 2 H		240V	HP	3
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			

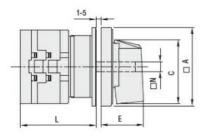
ENERGY AND AUTOMATION

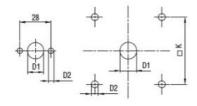
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min °C -40 max °C +70

Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions

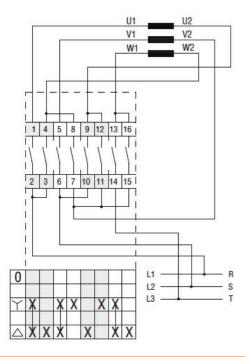




Drillings for 4 screws fixing (4V version).

Carias	Dimensions				L Number of elements														
Series	□A	C	ØD1	ØD2	Е	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
GX16	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX20	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX32	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183
GX40	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183

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

IEC/EN/BS 61058-1

UL60947-4-1

Certificates

cULus





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ETIM classification

ETIM 8.0 EC001105 - Off-load switch