

**ENERGY AND AUTOMATION** 

## ENCLOSED ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary
_				cam switch
Product type designation General characteristics				GX20
Switching diagram				19 - Dahlander motor control switch 0-1-2
N° of elements				4
Mounting form				P25 - Plastic enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
Data diamenta a mithatan	al continue de l'Essa	UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air th	ermai current ith	IEC/EN	۸	20
		UL/CSA	A A	15
Rated operational volta	ago.	UL/CSA		440
Rated operational impu			kV	4
	short-circuit protection In (gG)		ΚV	
Waximam rase size for	Short official protection in (gC)	10kA	Α	20
		15kA	Α	20
		25kA	Α	20
Rated short time currer	nt Icw			_
		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	A	6
Data dan anational norm	an in AO	660/690V	Α	1.5
Rated operational power				
	Three-phase AC-3	220/230V	kW	3.7
		380/440V	kW	5.5
		500/690V	kW	5.5
	Single-phase AC-3			
	<b>3</b> 1	110V	kW	0.75
		220/230V	kW	1.8
		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	4
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.75
		220/230V	kW	2.2
Rated operational curre	ont in DC	380/440V	kW	3.5
Nateu operational curre	TILLIII DO			



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	DC21A				
	DOZIA	48V	Α	20	
		60V	A	20	
		110V	A	4	
		220V	A	0.6	
		440V	A	0.0	
	DC23A (poles in series)	440 (		0.20	
	BOZON (poids in serios)	24V	Α	20 (1)	
		48V	A	20 (2)	
		60V	A	20 (2)	
		110V	A	10 (3)	
		220V	A	8 (4)	
	DC13	220 V		0 (4)	
	DC13	24V	Α	20	
		48V	A	16	
		60V			
			A	12	
		110V	A	1	
		220V	A	0.4	
		440V	A	0.15	
Power dissipation			W	0.6	
Mechanical features				140	
Terminals screw				M3	
Tightening torque for te	erminals max		Nm	0.8	
Conductor size					
	AWG - Rigid cable				
		min	AWG	20	
		Max	AWG	12	
	AWG - Flexible cable				
		min	AWG	20	
		min Max	AWG AWG	20 12	
	Conductor size (IEC) - Flexible cable				
	Conductor size (IEC) - Flexible cable				
	Conductor size (IEC) - Flexible cable	Max	AWG	12	
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min	AWG	0.5	
		Max min	AWG	0.5	
		Max min Max	AWG mm² mm²	0.5 2.5	
Mechanical life		Max min Max min	AWG  mm²  mm²  mm²	0.5 2.5 0.5	
Mechanical life UL technical data		Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	MMG  mm² mm²  mm²  mm²  cycles	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG  mm² mm²  mm² cycles	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max  120V 240V	AWG  mm² mm²  mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V	MWG  mm² mm² mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max  120V 240V 480V	MWG  mm² mm² mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	MMG  mm² mm² mm² cycles  HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 0.75 1.5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5 0.75 1.5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  con-line control for three-phase motor  for single-phase motor  Operating temperature	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5 0.75 1.5	

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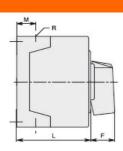
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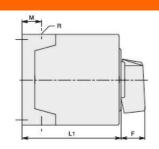
Resistance & Protection
Frontal IP degree

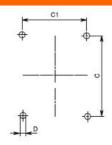
Terminals IP degree

IP20

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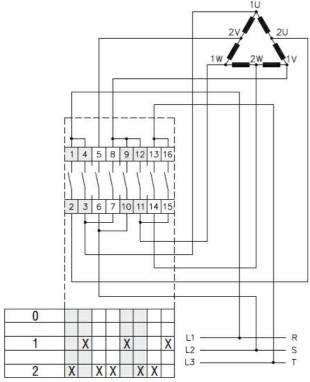






GX16 GX20	90x90	1-2	3-5 3-5	90	90	79	79	4.5	25	19	30	71.3	98.3	4xPG16	IP65
GX16	110x110	1 - 3	4-7		1	1	1					1			·
GX20		1 - 3	4-7	110	110	00.4	02	4.5	32	01	20.5	05.5	119.5	4vDC01	IP65
GX32		1 - 2	3-4	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	1100
GX40		1 - 2	3-4												

#### Wiring diagrams



#### Certifications and compliance

#### Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

#### Certificates

EAC

### ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete