

7GN1219P25 ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

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Product designation				Enclosed rotary cam switch
Product type designat				7GN12
General characteristic	S			10 Deblender
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	3			
Rated insulation voltage	je Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air the	hermal current Ith			4.0
		IEC/EN	A	16
Deted an entire al celt		UL/CSA	<u>A</u>	15
Rated operational volt			V	480
Rated operational imp	r short-circuit protection In (gG)		kV	4
	shon-circuit protection in (gG)	10kA	А	16
		15kA	A	10
		25kA	A	10
Rated short time curre	nt Icw	2010 (
		1s	kA	200
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			А	16
	AC15			
		110V	А	10
		220/230V	А	8
		380/400V	А	4
		660/690V	A	1.5
Rated operational pow				
	Three-phase AC-3	000/0001/		0 F
		220/230V 380/440V	kW kW	2.5 4
		500/690V	kW	4 5.5
	Single-phase AC-3	500/0307	K V V	0.0
		110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A			
	-	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	1.7
Detect on enotion of the		380/440V	kW	3
Rated operational curr	entin DC			

Rated operational current in DC

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DC21A 48V A 12 60V A 12 110V A 4 220V A 0.6 440V A 0.25 DC23A (poles in series) 24V A 10 (1) 48V A 10 (2) 60V A 10 (2) 60V A 10 (3) 110V A 5 (3) 22V A 5 (4) 10 60V A 8 DC13 24V A 10 60V A 8 10V A 1 Power dissipation W 0.8 44VV A 0.5 Conductor size Max MG2 A 44VV A 0.5 Conductor size Max AWG - Rigid cable min MM2 20 Max MG2 A A A A A A A A A A A A A A A A A					
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Intervention 110°/-A 4 22007 A 0.6 44007 A 0.25 DC23A (poles in series) 24V A 10 (1) 48V A 10 (2) 60V A 10 (2) 6007 A 5 (3) 220V A 5 (3) DC13 24V A 10 60V A 8 1007 A 5 (3) 24V A 10 60V A 10 60V A 8 1007 A 12 48V A 10 60V A 8 100 60V A 8 1100V A 0.4 440V A 10 60V A 8 100 60V A 0.15 Power dissipation W 0.8 440V A 12 Power dissipation W 0.8 Modenaical intervinin a XWG 12 A 14					
220V A 0.6 440V A 0.25 DC23A (poles in series) 24V A 10 (1) 480V A 10 (2) 60V A 10 (2) 60V A 10 (3) 110V A 5 (3) 220V A 5 (4) 0.1 24V A 12 48V A 10 (3) 60V A 8 110V A 12 48V A 10 60V A 8 110V A 1 220V A 0.15 W 0.4 44V A 0.15 Power dissipation W 0.8 W A 0.15 Power dissipation group for terminals max Nm 0.5 Conductor size M3 Conductor size MVG - Rigid cable min AWG 12 AWG - Flexible cable min Max AWG 20 Max AWG - Sigid cable min mm					
440V A 0.25 DC23A (poles in series) 24V A 10 (1) 48V A 10 (2) 60V A 10 (2) 110V A 5 (3) 220V A 5 (4) DC13 24V A 10 60V A 8 100 60V A 0.4 400 400V A 0.5 15 Power dissipation W 0.5 12 Attributer distartas Nm 0.5 12 Ighteinig lorque for terminals max Nm 0.5 12 Attributer distatas					
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $		DC234 (poles in series)	440 V	Α	0.23
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24V A 12 48V A 10 60V A 8 110V A 1 220V A 0.4 440V A 0.15 Power dissipation W 0.8 Mechanical features W 0.8 Terminals screw M3 1 Tightening torque for terminals max Nm 0.5 Conductor size AWG - Rigid cable Max AWG - Flexible cable min AWG Max AWG 14 Conductor size (IEC) - Flexible cable min mm² Max mm² 0.5 Conductor size (IEC) - Rigid cable min mm² Max mm² 0.5 Conductor size (IEC) - Rigid cable min mm² Max mm² 0.5 Conductor size (IEC) - Rigid cable min mm² Max mm² 0.5 Max mm² 0.5 <td< td=""><td></td><td></td><td>220V</td><td>А</td><td></td></td<>			220V	А	
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110V Å 1 220V Å 0.4 440V Å 0.15 Power dissipation W 0.8 Mechanical features W 0.8 Terminals screw M3 Tightening torque for terminals max Nm 0.5 Conductor size AWG - Rigid cable Mm AWG AWG - Flexible cable min AWG 20 AWG - Flexible cable min AWG 20 Max AWG 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 2.5 Mechanical life cycles 3x10* UL 1.5 240V HP 3 for single-phase motor 120V HP 1.5 240V HP 1 Ambient conditions Fersingle emperature			48V	А	10
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Terminals screw M3 Tightening torque for terminals max Nm 0.5 Conductor size AWG - Rigid cable min AWG 20 Max AWG 12 Max AWG 12 AWG - Flexible cable min AWG 20 Max AWG 12 AWG 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 2.5 Max mm² 2.5 Max mm² 2.5 Max mm² 2.5 store store UL technical life cycles store store UL technical data store store store Motor power for direct-on-line control for single-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 Ambient conditions max "C -25 store store Temperature min "C <				W	0.8
Tightening torque for terminals max Nm 0.5 Conductor size AWG - Rigid cable min AWG 20 Max AWG 12 AWG 12 AWG - Flexible cable min AWG 20 Max AWG 14 AWG 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 2.5 Mechanical life cycles 3x10° UL technical data cycles 3x10° UL technical data for single-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature min °C -25 240V HP 1 Ambient conditions Temperature min °C -25 240V HP 1 Ambient conditions Temperature Temp					140
Conductor size AWG - Rigid cable min AWG 20 Max AWG 12 AWG - Flexible cable min AWG 20 Max AWG 14 0 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 0 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5 0 0 Motor power for direct-on-line control cycles 3x10° 0 UL technical data utechnical data utechnical data utechnical data utechnical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 10 10 10 10 Ambient conditions tor single-phase motor 120V HP 0.5 12 Ambient conditions tor single-phase motor 120V HP 1 1 Ambient conditions tor single-phase motor				NL	
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$\begin{tabular}{ c c c c } \hline AWG - Flexible cable & min & AWG & 20 & Max & AWG & 14 & & & & & & & & & & & & & & & & & $					
$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $		AWG - Elevible cable	Ινιάλ	ANG	12
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			min	AWG	20
$\begin{tabular}{ c c c c c } \hline Conductor size (IEC) - Flexible cable & min & mm^2 & 0.5 & Max & mm^2 & 2.5 & \hline \\ \hline Conductor size (IEC) - Rigid cable & min & mm^2 & 0.5 & Max & mm^2 & 2.5 & \hline \\ \hline Conductor size (IEC) - Rigid cable & min & mm^2 & 0.5 & Max & mm^2 & 2.5 & \hline \\ \hline Conductor size (IEC) - Rigid cable & state & state & min & mm^2 & 0.5 & Max & mm^2 & 2.5 & \hline \\ \hline Mechanical life & state & stat$					
$\begin{tabular}{ c c c c c } \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline Max & mm^2 & 1.5 \\ \hline Max $		Conductor size (IEC) - Flexible cable			
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Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control 120V HP 1.5 Motor power for direct-on-line control 120V HP 1.5 Year 120V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions 120V HP 1 Temperature Operating temperature min °C -25 Motor °C +55 *55 Storage temperature min °C -40 max °C +70 *70			min	mm²	0.5
UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions 120V HP 1 Temperature Operating temperature min °C -25 Max °C +55 Storage temperature min °C -40 max °C +70 *70			Max	mm²	
Motor power for direct-on-line control for three-phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				cycles	3x10⁰
for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions 120V HP 1 Temperature 0 1 1 Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70					
120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions 240V HP 1 Temperature 0 1 1 Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70	Motor power for direct-				
240VHP3for single-phase motor120VHP0.5120VHP11Ambient conditions011Temperature011Operating temperaturemin°C-25max°C+551Storage temperaturemin°C-40max°C+701		for three-phase motor		,	
for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature Operating temperature $\begin{array}{cccccccccccccccccccccccccccccccccccc$					
120V 240VHP HP0.5 0.1Ambient conditions		for single phase mater	240V	HP	3
240V HP 1 Ambient conditions		ior single-phase motor	1201/	Цр	0.5
Ambient conditions Temperature Operating temperature min °C max °C Storage temperature min °C min °C storage temperature min °C max °C r r<					
Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70	Ambient conditions		24U V	1112	۱
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70					
min °C -25 max °C +55 Storage temperature min °C -40 max °C +70		Operating temperature			
max °C +55 Storage temperature min °C -40 max °C +70			min	°C	-25
Storage temperature min °C -40 max °C +70					
min °C -40 max °C +70		Storage temperature			
			min	°C	-40
Resistance & Protection			max	°C	+70
	Resistance & Protectic	on and a second s			

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding 7GN1219P25



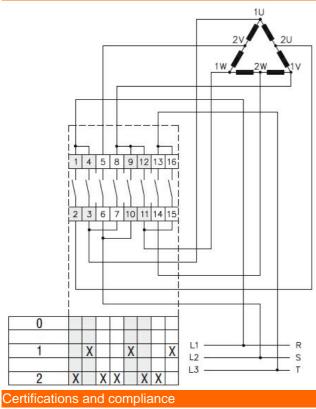
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IP65

Frontal IP degree

Terminals IP deg															IP00
Dimensions															
						-		R			- +	C1		1	
Series Enclosure size	Number of	f elements L1	A	A1	С	C1	Dimer D	isions F	M	N	1	L1	Cable entry	Protection degree	
7GN12 75x75 7GN20 7GN25	1-2 1-2 1	3 - 4 3 - 4 2 - 3	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN12 90x90 7GN20 7GN25 7GN32 7GN40	1-3 1-3 1-2 1-2 1	4 - 6 4 - 6 3 - 4 3 - 4 2 - 3	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN12 110x110 7GN20 7GN25 7GN32 7GN40 7GN63 7GN63	1-4 1-3 1-3 1-2 1-2	5 - 8 5 - 8 4 - 5 4 - 5 3 - 5 3 - 4	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32 125x175 7GN40 7GN63 7GN125	1-3 1-2 1-2 1	4 - 5 3 - 4 3 - 4 2	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65	
7GN32 180x254 7GN40 7GN63 7GN125	1-5 1-4 1-3 1-2	6 - 8 5 - 7 4 - 6 3 - 4	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65	
Wiring diagrams															



Compliance

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	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification	n	
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete

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