

Product designation				Rotary cam switches
Product type designation				GN315
General characteristics				
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltage U_i	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage U_{imp}		kV	8	
Conventional free air thermal current I_{th}	IEC/EN	A	315	
	UL/CSA	A	255	
Rated operational voltage		V	690	
Rated operational impulse voltage		kV	6	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	315	
	15kA	A	315	
Rated short time current I_{cw}		1s	kA	5200
	Operational current I_e IEC/EN AC1/AC21A			A 315
Rated operational power in AC Three-phase AC-3	220/230V	kW	37	
	380/440V	kW	55	
	500/690V	kW	69	
	Single-phase AC-3			
	110V	kW	11	
	220/230V	kW	22	
Rated operational current in DC DC21A	380/440V	kW	30	
	48V	A	200	
	60V	A	200	
	110V	A	35	
Power dissipation	220V	A	2.5	
	440V	A	0.9	
		W	64.5	
Mechanical features				
Terminals screw				M10
Tightening torque for terminals max				Nm 10
Conductor size	AWG - Rigid cable			
	Max	AWG	1XMCM350	
AWG - Flexible cable				

Conductor size (IEC) - Flexible cable	Max	AWG	1XMCM350
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Conductor size (IEC) - Rigid cable	Max	mm ²	1X185
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Mechanical life	Max	mm ²	1X185
		cycles	2X10 ⁵

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	30
240V	HP	50
480V	HP	100
600V	HP	75

for single-phase motor

120V	HP	15
240V	HP	30

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree

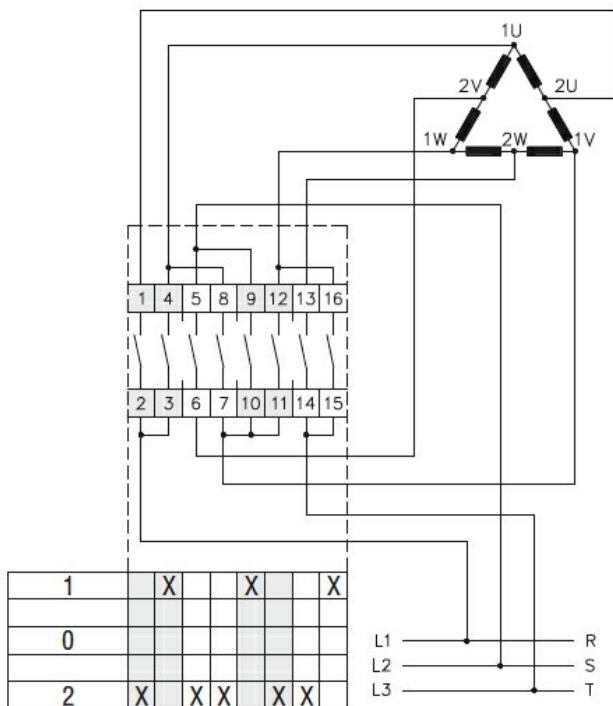
IP40

Terminals IP degree

IP00

Dimensions

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

UR

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete