

Product designation			Rotary cam switches		
Product type designation			GN315		
General characteristics					
Switching diagram			19 - Dahlander motor control switch 0-1-2		
N° of elements			4		
Mounting form			O - Rear mounting with black handle		
Contact characteristics					
Rated insulation voltage Ui			IEC/EN	V	690
			UL/CSA	V	600
Rated impulse withstand voltage Uimp				kV	8
Conventional free air thermal current Ith			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 In (gG)			10kA	A	315
			15kA	A	315
Rated short time current Icw			1s	kA	5200
Operational current Ie 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
			380/440V	kW	30
Rated operational current in DC DC21A			48V	A	200
			60V	A	200
			110V	A	35
			220V	A	2.5
			440V	A	0.9
Power dissipation				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					

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

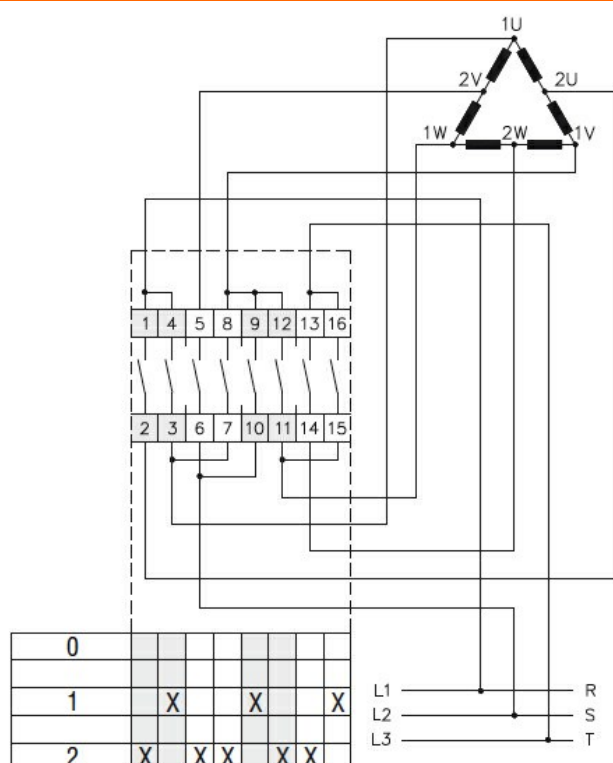
IP40

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