GN31519U

ROTARY CAM SWITCH GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 315A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 132X132MM

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			U - Front 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			

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		Max	AWG	1XMCM350
	Conductor size (IEC) - Flexible cable			
		Max	mm²	1X185
	Conductor size (IEC) - Rigid cable			
		Max	mm²	1X185
Mechanical life			cycles	2X10⁵

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

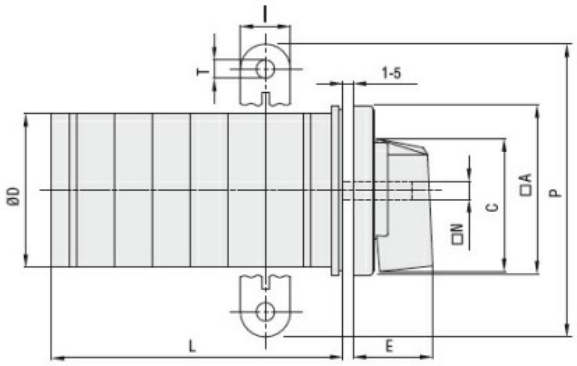
Ambient conditions

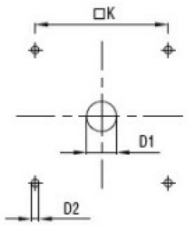
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

Resistance & Protection

Frontal IP degree				IP40
Terminals IP degree				IP00

Dimensions





Series	Dimensions											L Number of elements ❶											
	□A	C	ØD	ØD1	ØD2	E	I	□K	□N	P	ØT	1	2	3	4	5	6	7	8	9	10	11	12
GN200	132	104	120	16	5.3	56	20	104	10	140	10.5	77	107	136	166	196	226	284	314	343	373	402	432
GN315	132	104	120	16	5.3	56	20	104	10	145	10.5	77	107	136	166	196	226	284	314	343	373	402	432

❶ For devices with 6 or more elements plese consult Technical support, see contact details on inside front cover.

Wiring diagrams

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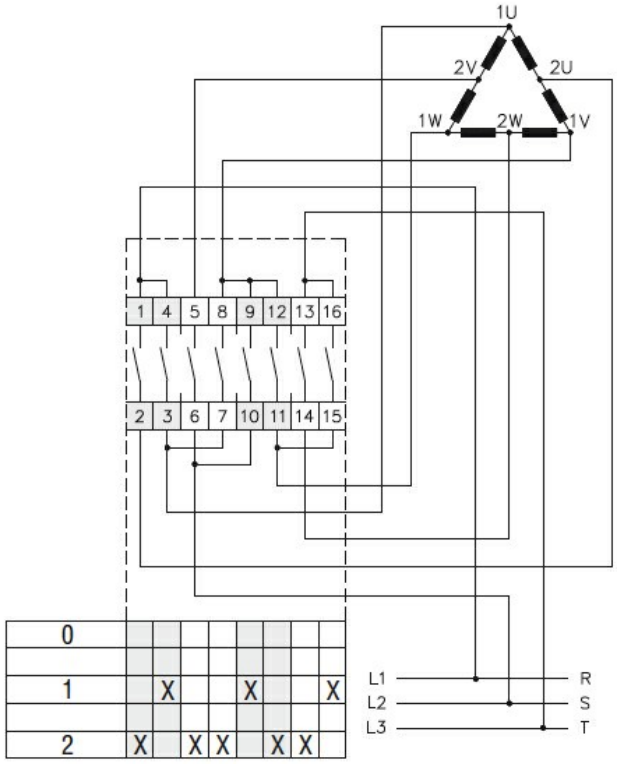

Certifications and compliance

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