

Product designation				Enclosed rotary cam switch	
Product type designation				GN315	
<b>General characteristics</b>					
Switching diagram				19 - Dahlander motor control switch 0-1-2	
N° of elements				4	
Mounting form				L - Metal enclosure with black handle	
<b>Contact characteristics</b>					
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	A	
				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	
		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	
<b>Mechanical features</b>					
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
Conductor size (IEC) - Rigid cable	Max	mm <sup>2</sup>	1X185
Mechanical life	Max	mm <sup>2</sup>	1X185
		cycles	2X10 <sup>5</sup>

**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

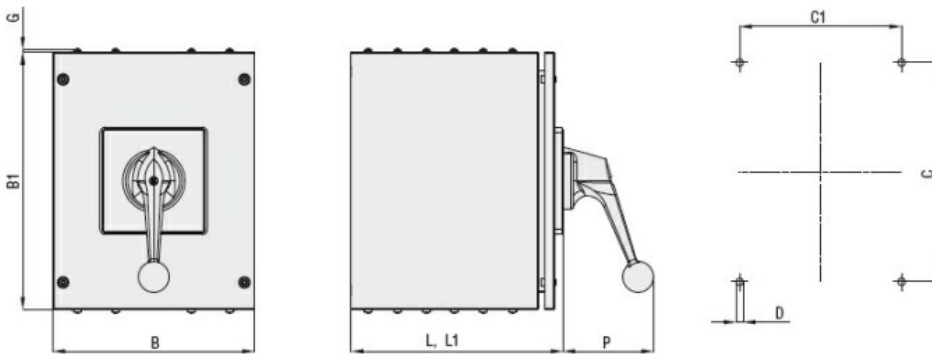
**Ambient conditions**

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

**Resistance & Protection**

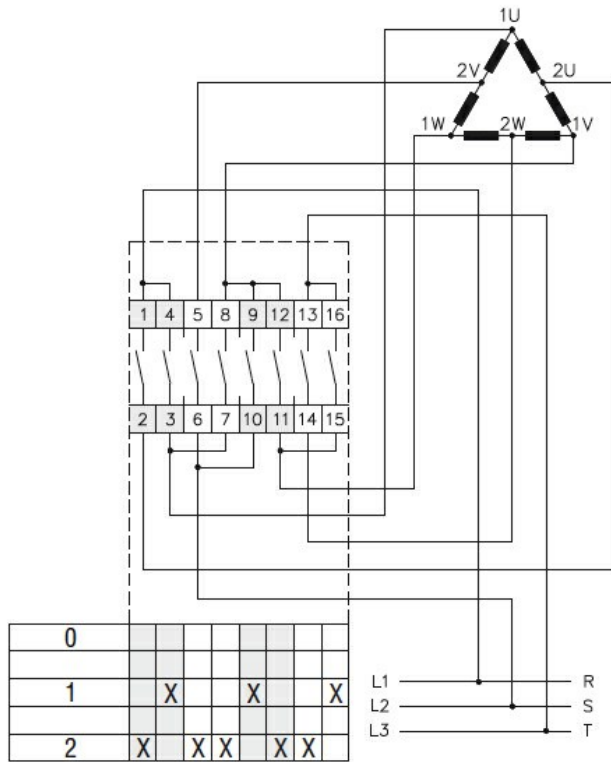
Frontal IP degree	IP54
Terminals IP degree	IP00

**Dimensions**



Series	Enclosure size	Number of elements		Dimensions									Protection degree
		L	L1	L	L1	B	B1	C	C1	D	G	P	
GN200	250x316	1 - 3	4 - 6	162	252	250	316	270	200	9	4.5	98	IP54
GN315		1 - 3	4 - 6	162	252	250	316	270	200	9	4.5	98	IP54

**Wiring diagrams**



**Certifications and compliance**

**Compliance**

IEC/EN/BS 60947-1  
IEC/EN/BS 60947-3  
IEC/EN/BS 60947-5-1

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete