

Dimmer switch



Identification	Type	DS-6317
	Part-No.	716317
Use/Area of application		
Description	Dimmer switch for automatically switching the interior lighting on and off for rail vehicles.	
Technical data		
Nominal voltage U_N	DC 24 V	
Current consumption of electronics	<10 mA	
Voltage range	DC 16.8 – 30.0 V	
Protection device	Reverse voltage protection, Overvoltage protection	
Rated insulation voltage	50 V	
	Contamination level OV2	
	Over voltage category PD2	
Measurement input		
Measurement input	Photo resistor (LDR) Switching threshold "ON" (dark) 10 Lux (factory setting) Switching threshold "OFF" (light) 20 Lux (factory setting)	
Load Side		
Output voltage	Nominal voltage $U_N - 1.5 V$	
Output current	max. 0.5 A	
Protection device	Short-circuit protection, overvoltage protection	
General		
Termination	spring terminal: single stranded 0.08 – 1.5 mm ² ; fine stranded 0.08 – 1.5 mm ²	
Housing material	ABS	
Field installation	Screw mounting by means of two mounting links	
Protection class	IP 20	
Operation temperature range	-25 °C – 70 °C (+85°C 10 min)	

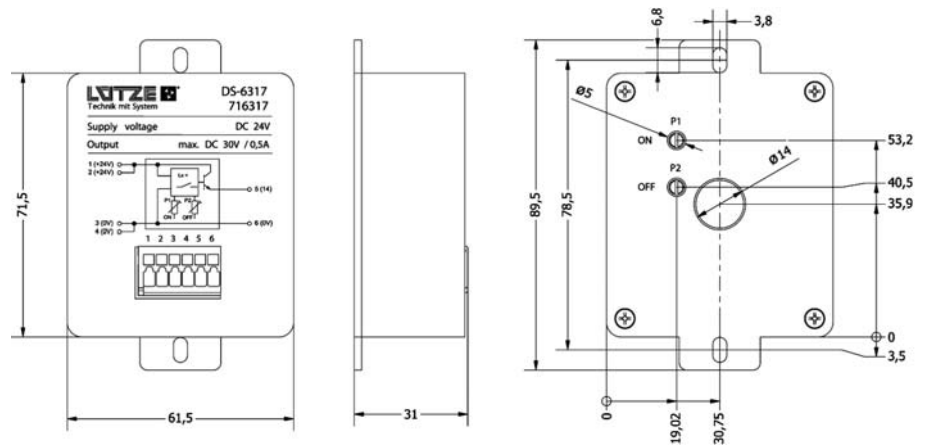
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Storage temperature range	-25 – 85 °C
Dimensions (w x h x d)	61.5x89.5x31.0 mm
Weight (kg/piece)	0.060 (kg/piece)
Standards	Electronic equipment on railway vehicles: EN50155:2007-07 Electromagnetic compatibility: EN50121-3-2: 2006-07 Insulation coordination: EN50124-1:2001-03 Vibrations and shocks: EN61373:1999-04

Miscellaneous

Comments	The switching shafts "Light" and "Dark" can be adjusted later by means of two potentiometers (P1 und P2).
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Dimensions



Circuit diagram

