Control and automation

TL Line twilight switches



TL1

Technical features			
		TL1	
Rated supply voltage	[V]	110 ÷ 230 AC	
Contact type		1NO	
Incandescent lamps cosφ 1	[W]	1000	
Fluorescent lamps cosφ 0.8	[W]	300	
Fluorescent- duo/electronic lamps	[W]	300	
LED lamps	[W]	800	
Rated frequency	[Hz]	50/60	
Switching delay ON	[s]	23±10%	
Switching delay OFF	[s]	23±10%	
Brightness range (with tolerance of +-20%)	[lx]	2200	
Protection degree twilight switch		IP20	
Protection degree sensor		IP54	
Operating temperature twilight switch	[°C]	-25+55	
Operating temperature sensor	[°C]	-40+70	
Storage temperature twilight switch	[°C]	-40+70	
Storage temperature sensor	[°C]	-50+80	
Power consumption	[W]	0.4 W cosφ 0.4 (idle) 0.9 W cosφ 0.42 (active)	
Max terminal cross section	[mm²]	6	
Terminals		loss-proof screw	
Screw Type		PZ1	
Tightening torque terminals	[Nm]	0.51.2	
sensor screw	[Nm]	0.51.2	
Mounting		on DIN rail	
Switching status indication/ brightness range		red/green LEDs	
Max wiring length	[m]	100	
Modules	[n°]	1	
Reference standards		EN 60669-1 EN 60662-2-1 EN60730-1	

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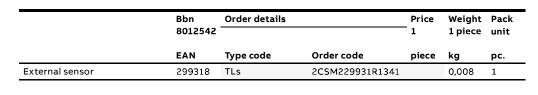
TL Line modular twilight switches

TL1 twilight switch allows to switch ON and switch OFF lighting devices according to a scheduled level of the ambient light. It is used in combination with an external sensor to detect if the ambient light is higher or lower than the set level. A switching delay prevents them from operating unnecessarily when the light intensity suddenly changes (e.g. lightning, moving vehicles, etc.). The TL1 twilight switch 1 channel is preset with a 10 LUX from factory and it is equipped with 2 signalling LEDs that indicate the setpoint value and display the status of the contact. The operating instructions are printed on the side of the product.

Brightness range	Bbn 8012542			Price 1	Weight 1 piece	
lx	EAN	Type code	Order code	piece	kg	pc.
2:200	299219	TL1	2CSM229921R1341		0,155	1

Accessories for TL Line modular twilight switches

The external sensor TLs is supplied in the same package of the switch, TL1, but it's also available separately as spare part. The upper part of the external case (with screw locking), made up of thermoplastic material, bears up against ultraviolet rays to guarantee an homogeneous diffusion of the daylight internally. The sensor is also equipped with a cable gland.





TLs