



Light sensitive switches

Applications



Control of lighting in shop windows, offices, car parking areas, controlling street lights, advertising signs, sun blinds, shutters, or even lighting in a home to simulate the presence of people.

Features

User presettable switch light intensity, intensity range and hysteresis (to avoid on/off a stable behavior). 1 channel with separate photocell is available besides a 1 channel all-in-one device.

Function

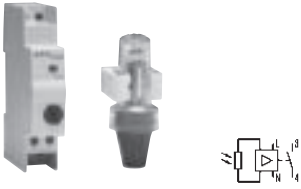
Electronic switch controlled by the intensity of the ambient light, detected by a separate or integrated photocell (depending on the model). When the light intensity drops below the threshold setting, the switch changes its state to the on position. An increasing ambient light intensity eventually will switch off the device again.

Performance

	1 channel GDS	GDSW
Contacts		
Contact	1 make contact NO	1 make contact NO
Switching capacity		
- Resistive load	16A/250V	10A/250V
- Inductive load (cos φ = 0.6)	8A/250V	2A/250V
- Incandescent lamps	2000W	1200W
Switching capacity	800mA at 24V, 300mA at 60V; 150mA at 220V	Not allowed
Shortest switching time	-	-
Screws	Pozidriv 1	Slot head
Terminal capacity: min	1x0.5 mm ²	1x0.5 mm ²
max	1x6 mm ² or 2x2.5 mm ²	1x6 mm ² or 2x2.5 mm ²
Light sensitive operating part		
Light intensity switching range	2 ... 500 lux	2 ... 2000 lux
Switching hysteresis		
On/Off switching delay	100 s. On 100 s. Off	20...120 sec.
Light sensitive sensor wire-length	max 100m	-
Light sensitive sensor protection degree	IP65 (sensor)	IP54 (complete device)
Operating voltage	220/240V 50/60Hz	220/240V 50/60Hz
Own consumption at 230V	5VA	6VA
Running reserve	-	-
Battery	-	-
Operating temperature range	-20 ... +55°C (switch) -30 ... +70°C (sensor)	-35 ... +60°C
Sealable	yes	-
Screws	Pozidriv 1	Slot head
Terminal capacity: min	1x0.5 mm ²	1x0.5 mm ²
max	1x6 mm ² or 2x2.5 mm ²	1x6 mm ² or 2x2.5 mm ²

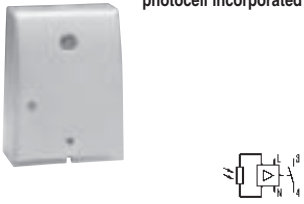
Light sensitive switches

DIN rail mounting,
separate photocell included



Program	Number of channels	Nominal current	Operating voltage	Number of modules	Cat. No.	Ref. No.	Pack.
2...500 lux	1NO	16A/250V	230V	1	GDS11	666883	

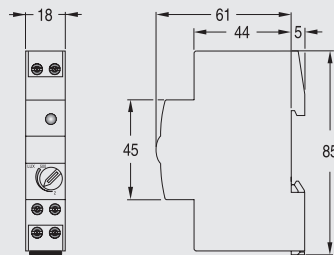
Wall mounting
photocell incorporated



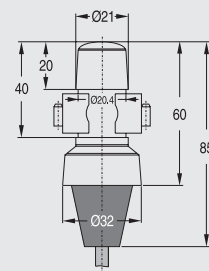
2...2000 lux	1NO	16A/250V	230V	-	GDSW	666884	1
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Dimensions

Light sensitive switches



Photocell



Light sensitive switches -
wall mounted

