

Light Intensity Switches **Ex9LAS** and **Ex9LDS2**



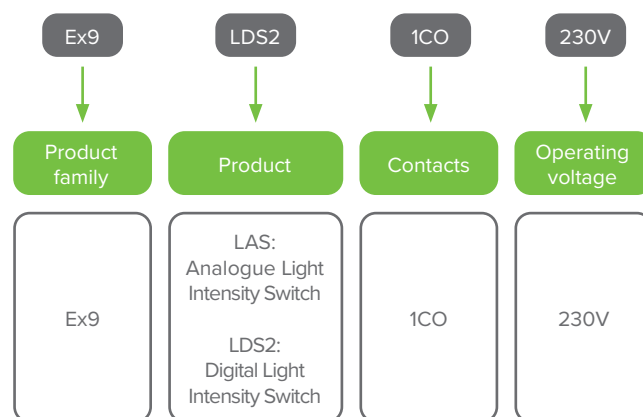
- Rated operating voltage 230 V AC
- Analogue and digital version
- Without and with integrated time switch
- Random switching mode (Ex9LDS2)
- Adjustable light sensitivity up to 50 000 lx
- External brightness sensor with IP65 rating

Light Intensity Switches Ex9LAS and Ex9LDS2 are used for light switching according to actual daylight intensity (Ex9LDS2 device also according to time), so the light fixtures are switched only if necessary and it can save money for consumed energy.

This switch can automatically change between summer and wintertime. It operates in daily, weekly or yearly switching program and can be connect to light control systems with other devices.

External brightness sensor is included in the scope of delivery.

Type Key



Certification marks



Light Intensity Switches **Ex9LAS** and **Ex9LDS2**

Analogue version

- Two light adjustment ranges LUX1 (1 - 100 lx) and LUX2 (100 - 50 000 lx), TEST for permanent change of contact
- Adjustable time delay (0 - 2 min) to eliminate short term fluctuation in illumination
- LED indication on front of the device
- Surface-mounted brightness sensor in the scope of delivery



Channels	Width	Article No.	Type	Packing
1	1MU	110560	Ex9LAS 1CO 230V	1

Digital version

- Combination of time switch and light intensity switch - time switch is superior
- Daily, weekly and yearly program of integrated time switch
- Light adjustment range 10 - 50 000 lx
- Random switching function
- Sealable transparent cover of front panel
- Surface-mounted brightness sensor in the scope of delivery



Channels	Width	Article No.	Type	Packing
1	2MU	116938	Ex9LDS2 1CO 230V	1

Spare light intensity sensor for digital version Ex9LDS2

- Spare light intensity sensor for digital light intensity switch Ex9LDS2
- Not compatible with first generation Ex9LDS and analogue series Ex9LAS



Description	Article No.	Type	Packing
1	116938	Ex9LDS2 1CO 230V	1

Technical Data **Ex9LAS**

Modular Light Intensity Analog Switches

General parameters

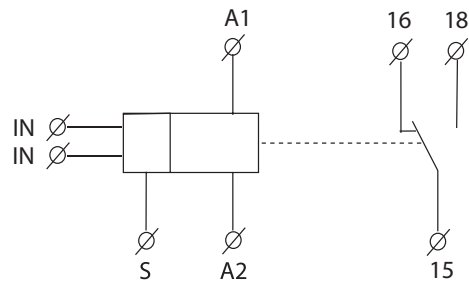
For light switching according to actual light intensity
Two light adjustment ranges LUX1 (1 - 100 lx) and LUX2 (100 - 50 000 lx), TEST for permanent change of contact
Adjustable time delay (0 - 2 min) to eliminate short term fluctuation in illumination
LED indication on front of the device
Brightness sensor for surface-mounting in the scope of delivery

Electrical parameters

Tested according to	EN 60669-1, EN 60669-2-1
Rated operating voltage U_e	230 V AC
Operating voltage tolerance	200 — 253 V AC
Rated frequency f	50/60 Hz
Rated current I_e	
AC-1, $\cos \varphi$ 1	16 A
Power input (apparent / loss)	max. 3 VA / 1.6 W
Power consumption	≤ 4 W
Channels	1
Switch contact	CO (change-over)
Switching capacity (AC1 / DC)	4000 VA / 384 W
Switching voltage (AC1 / DC)	250 V / 24 V
Inrush current	30 A / < 3 s
Dielectric strength (supply - output)	4 kV
Light adjustment range (LUX1 / LUX2)	1 — 100 lx / 100 — 50000 lx
Switching delay	0 — 2 min
Switching delay setting	potentiometer
Maximum length of connecting cables for sensor	50 m
Brightness sensor	external (in the scope of delivery)
Electrical life (AC1)	100 000 operation cycles
Control power input	0.8 — 530 mVA
Load between S-A2	possible
Impulse length	min. 25 ms
Reset time	150 ms

Modular Light Intensity Analog Switches

Wiring diagrams



Connections

