

Features

Relays for automatic control of lighting according to ambient light level - with separate photoelectric sensor

11.31 - 1 NO 16 A output contact

- Sensitivity adjustment from 1 to 100 lux
- One module, 17.5mm wide
- Low energy consumption

11.41 - 1 CO 16 A output contact

- Patented "Zero hysteresis" for energy saving; patent pending for the "light feedback compensation" principle
- Selector with 4 positions:
 - Standard range (threshold setting 1...80 lx)
 - High range (threshold setting 30...1000 lx)
 - continuous light (helpful during installation and initial testing and for maintenance purposes)
 - light off (useful for vacations)

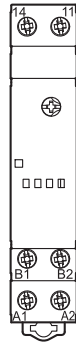
- For the first 3 working cycles the delay time (On and Off) is reduced to zero in order to aid installation
- LED status indication
- SELV separation between contact and supply circuit
- Double insulation between supply and photosensor
- 35 mm rail (EN 60715) mount
- Cadmium free contact material
- Cadmium free photo sensor (IC photo diode)

For outline drawing see page 8

NEW 11.31



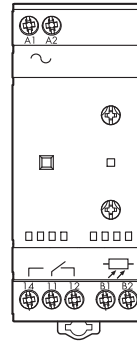
- 1 pole
- 17.5 mm wide



NEW 11.41



- 1 pole
- "zero hysteresis"
- 4 position selector



Contact specification			
Contact configuration		1 NO (SPST-NO)	1 CO (SPDT)
Rated current/Maximum peak current I_N/I_{max}		16 / 30 A (120 A – 5 ms)	16 / 30 A (120 A – 5 ms)
Rated voltage/Maximum switching voltage U_N/U_{max}		250 / 400 V AC	250 / 400 V AC
Rated load AC1		4,000 VA	4,000 VA
Rated load AC15 (230 V AC)		750 VA	750 VA
Nominal lamp rating (230 V):			
incandescent		2,000 W	2,000 W
compensated fluorescent		750 W	750 W
uncompensated fluorescent		1,000 W	1,000 W
halogen		2,000 W	2,000 W
Minimum switching load		1000 mW (10 V / 10 mA)	1000 mW (10 V / 10 mA)
Standard contact material		AgSnO ₂	AgSnO ₂
Supply specification			
Nominal voltage U_N AC (50/60 Hz)		110...230 V	230 V
U_N DC		–	–
Rated power P_N		2.5 VA (50 Hz) / 0.9 W	5.2 VA (50Hz) / 2 W
Operating range			
AC (50 Hz)		90...260 V	(0.8 ... 1.1) U_N
DC		–	–
Technical data			
Electrical life at rated load in AC1		100 · 10 ³ cycles	100 · 10 ³ cycles
Threshold setting:			
Standard range		1...100 lx	1...80 lx
High range		–	30...1,000 lx
Hysteresis (switching Off/On ratio)		1.25	1
Delay time: switching On / Off		15 / 30 s	15 / 30 s
Ambient temperature range		–20...+50 °C	–20...+50 °C
Protection category: light dependent relay/photosensor		IP 20 / IP 54	IP 20 / IP 54
Approvals (according to type)		CE	