Brightness Transmitter
Model Nr. 7.1414.6x.xxx

Brightness Transmitter
Sector-dependent

The illumination intensity is acquired by eight, respectively three independent photo diodes.
On model 7.1414.60.xxx, the 8 independent photo diode sensors are arranged in 45° segments.
(North, NE, East, SE, South, SW, West, NW).
On model 7.1414.61.xxx, the 3 independent photo diode sensors are arranged in 90° segments. (East, South, West)
The connected electronics converts the light into voltage or current signals and provides them for further processing to the 8, respectively 3 individual measuring output values of the “brightness”.
Due to the special construction the sensors are aligned to an average elevation angle (height).
The brightness transmitter is equipped with heating in order to avoid a possible dewing.

Order No	Technical Data	
	Measuring range	0 - 100 000 lux
	Sensor	SFH 206 K
	Spectral range	400 - 1100 nm
	Accuracy	± 2% of calibration standard
	Operating voltage	12...28 VDC or 24 VAC / approx. 200 mA
	Ambient temperature	- 30...+ 70° C
	Protection	IP 65
	Dimensions	80 x 82 x 96 mm
	Weight	150 g
7.1414.60.xxx	Number of channels	8
	Acquisition angle	Elevation : 0 - 90° Azimuth : 8x ± 22,5°
.000	Signal output	0 - 10 V per channel
.040		0 - 20 mA per channel
.041		4 - 20 mA per channel
7.1414.61.000	Number of channels	3
	Acquisition angle	Elevation : 0 - 90° Azimuth : 3x ± 45°
.000	Signal output	0 - 10 V per channel
.040		0 - 20 mA per channel
.041		4 - 20 mA per channel

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