

Signal requesting device

crossguide EK 533

Safe mobility for pedestrians and the visually impaired with one device

The crossguide is an innovative product with tried and tested properties. All requirements are met by one device. Traffic noise-dependant acoustics are already integrated. It offers protection against vandalism due to its compact and sturdy design. It is not only visually attractive, but also particularly low-maintenance and easy to install. With its tested technology, the crossguide sets new benchmarks for standards-compliant pedestrian requesting devices.

Advantages

Flexibility

- Suitable for all conventional pole diameters
- Universal voltage device, 20-253 V

Stability and reliability

- UV-resistant polycarbonate housing, without adhesive
- High resistance to vandalism, without requiring additional parts
- Temperature-resistant from -25 °C to +60 °C
- Approved by all major signal engineering firms
- Satisfies DIN 32981:2018-06, EN 50293

Easy installation

- Pole installation using screws, without removing the vibrator unit
- Coloured connection wires with assigned functions



crossguide

Functions

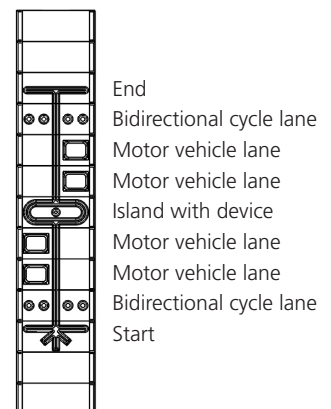
- Signal request optionally via push-button with isolated micro switch with pivot bearing or sensor (dynamic capacitive)
- Tactile release signal for the visually impaired via pulsed vibrating push-button
- All functions can be set without intervention in the control unit via software per USB cable, parametrising adapter or Bluetooth. All settings can be saved and copied. Changes are saved with the user's ID code in the event/error memory.
- Optical feedback with flashing function or continuous light
- Acoustic feedback is possible in the form of an acknowledgement tone or voice announcement; volume can be reduced or switched off at night
- Module slots for subsequent functional extensions
- Can be optionally equipped with gold-cap-buffered real-time clock for, e.g., night-time reduction or deactivation even if the control unit does not provide a signal
- Special functions are included in the device as standard. They are actuated via freely assignable inputs and outputs.



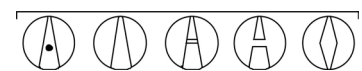
crossguide with tactile relief symbols

Functions for the visually impaired

- Signal request via vibrating push-button on the bottom of the device integrated into the tactile pedestrian crossing symbol
- Tactile pedestrian crossing symbols in accordance with DIN 32981 included in the accessories kit
- Tactile pedestrian crossing signal (via pulsed vibrating push-button) and/or acoustic. Duration individually adjustable.
- Traffic noise-dependent guide signal ("ticking" sound)
- Tactile relief symbols according to ÖNORM V 2100 and V 2101 as accessories kit to indicate the exact conditions of the crossing.
- Compliance with standard DIN 32981 with remote EK 533 acoustic signalling device at a height of 2.1–2.5 m for pedestrian crossing and/or guide signal



Tactile relief symbols



Tactile pedestrian crossing symbols

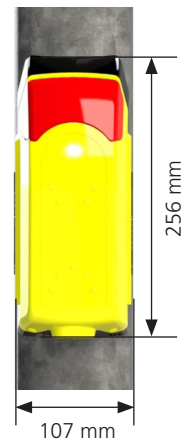
References

- City of Kiel
- City of Münster
- City of Solingen
- City of Kaiserslautern
- City of Oberhausen
- City of Reutlingen
- City of Böblingen
- City of Dortmund
- City of Augsburg
- City of Darmstadt
- City of Ulm
- City of Krefeld
- City of Detmold
- City of Bochum
- VVD (transport and utilities) Delmenhorst
- City of Innsbruck (Austria)
- City of Graz (Austria)
- City of Salzburg (Austria)
- City of Poznan (Poland)
- City of Wroclaw (Poland)
- City of Warsaw (Poland)
- City of Ljubljana (Slovenia)
- And many more



Technical data

Designation:	crossguide EK 533 signal requesting device
Universal voltage:	20–253 V AC/DC (DC rectified without smoothing)
Housing colour:	Yellow, similar to RAL 1023, solid coloured Other colours available on request.
Protection class:	II (double-insulated)
Protection rating:	according to DIN 32981:2018-06
Impact strength:	IK10
Safety:	SIL 2
Power consumption:	approx. 7 W
Mounting:	2 x hexagon socket screw A2 – M6 x 25
Pole adapter:	Universal, stainless steel, for Ø 89, 108 and 159 mm, optionally > Ø 159 mm and wall installation
Standards fulfilled:	DIN VDE 0832-100, 200 EN 50293:2000 DIN 32981:2018-06 ÖNORM V 2100, V 2101



Technical data | Functions

Acoustic cross signal:	Traffic noise-dependent, max. clock frequency up to 8 Hz <ul style="list-style-type: none"> • Volume: approx. 30–90 dB (A) • Selection of the tones via software (standard 880 Hz, frequency range 800–5000 Hz for polyphonic tones, wave files possible) • Maximum and minimum level of approx. 30–90 dB (A), adjustable in increments of 1 dB • Superelevation setting in 1 dB increments depending on the passage width • Customised settings possible
Guide signal:	Traffic noise-dependent ("ticking" noise), frequency freely selectable <ul style="list-style-type: none"> • Volume: approx. 30–90 dB (A) • Selection of the tones via software (frequency range 800–5000 Hz for polyphonic tones, wave files possible) • Maximum and minimum level of approx. 30–90 dB, adjustable in increments of 1 dB • Superelevation fine adjustment of approx. -20 to +20 dB in 1 dB increments • Customised settings possible
Green flashing:	<ul style="list-style-type: none"> • Acoustics according to flashing mode • Doubling of the clock frequency, e.g. from 4 to 8 Hz • Other tone