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# MA 480 LED multiple indicator

## Consistent implementation of customer requirements

The MA 480 LED multiple indicator rounds off Siemens' portfolio of light signals with maintenance-free LED light sources.

MA 480 LED multiple indicators are used for the purpose of signaling symbols. These symbols represent, for example, additional information such as permitted train speeds and route indications.

An MA 480 LED multiple indicator can display a maximum of four different symbols. A symbol can comprise up to 20 pixels and have yellow or white as its signal color. An LED indication module consisting of an LED bundle and an LED driver board is used for each symbol.

The readability and visibility of light signals are decisive factors for high-reliability and safe railway operations. Based on the stipulated clearance gage requirements and thanks to its design, the MA 480 LED indicator features a maximum indication surface, optimizing the readability distance.

### Benefits

Optimum readability and visibility

Reduced maintenance work

Low operating costs



## Technical data

Housing dimensions (H x W x D) incl. bearing assembly	682 x 480 x 365 mm
Weight of an MA 480 LED incl. bearing assembly	approx. 25 kg
Nominal voltage of indication module day night	10.8 V AC 7.2 V AC
Nominal current of indication module day night	1.58 A 1.26 A
Nominal frequency	50 Hz (other frequencies possible subject to consultation)
Signal light color (ex-works state, at 10.8 V AC and 20 °C ±5 K)	in line with DIN 6163
Readability distance	180 m
IP rating of indicator	IP54 in line with DIN VDE 0470, Part 1
Number of symbols	max. 4
Number of pixels per symbol	max. 20