4-digit display for car park Type GP 6763 0104

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- **Brightly lit green LED**
- **Low power consumption**
- **Display built into robust aluminium box**
- **RS485 communication**

Product Description

The GP6763 0104 display is part of a car park system which, among other things, contains a GP6565 0201 indicator and several sensor types with type numbers GP6520 220x and GP6540 3421.

Using 4-digit LEDs, the GP6763 0104 signals the number of free parking spaces in the relevant parking facility. Because of this method of communication, it is possible to interconnect several displays on the same network.

The GP6763 0104 display is also used as a monitor for the GP6565 0201 indicator when programming the system.

Ordering key

GP 6763 0104

Type: Dupline®
Housing
Input type
Channels
Inputs
Supply

Input/Output Specifications

Serial port termination J12 with 4 pins:
- Pin 1: Interface A EIA-RS485
- Pin 2: Interface B EIA-RS485
- Pin 3: Minus terminal on supply voltage or ground
- Pin 4: Positive terminal on supply voltage

Protocol used for controlling display

- **Data speed: 4,800 bps**
- **Data protocol: Proprietary**
- **Flux of the data: Asynchronous mode, continuous receiving with no answer**
- **Frame composition: 3 x [1 START bit + 8 DATA bit (character) + 1 STOP bit]**

NOTE: the starting of the frame is syncronised with the last positive edge of the Dupline® frame with a delay of 1 msec.

General Specification

Indication: LEDs	4-digit consisting of green
Environment Protection: Operating temperature: Pollution degree:	IP 50 -25°C to 70°C 3 (IEC 60664)
EMC compatibility:	Fully meets N61000-4-X for industrial installations
Dimensions:	280 x 140 x 70
Material:	Aluminium box with clear plexiglass front and black fibre plate as end cover

Supply Specifications

Power Supply:	24 VDC min.; 30 VDC max. (Overvoltage category III (IEC60664)) Protected against reverse polarity through diode and protected against overvoltage through Zener diode.
Average current consumption:	100 mA
Power consumption:	3 W

Specifications are subject to change without notice (13.11.2006)
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Mode of operation

The GP6763 0104 display is designed to display the number of free parking spaces in a parking facility. The LEDs are designed to be clearly visible at a distance of 50 m. The GP6763 0104 display is also used as a monitor for the GP6565 0201 indicator when programming the system. GP6763 0104 receives data from indicator GP6565 0201 by way of an 8-bit data pattern every 130 ms.

The serial data is converted and displayed as a 4-digit signal. In order to reduce the supply current consumption, the signal to the LEDs is multiplex. Because of this method of communication, it is possible to interconnect several displays on the same network.

Schematic Drawing