

General electrical installation requirements. By SCHELL.

SCHELL fittings are designed and manufactured according to the technical norms and regulations valid in Germany and – where generally available – in Europe and at an international level. The fittings are designed in order to guarantee trouble-free operation as long as the operating company ensures professional installation as specified, as well as proper servicing and maintenance.

1. Standards, directives and regulations

VDE 0100 must be properly accounted for in all installation work. Safe zones must be observed in particular.

SCHELL products with electronic controls (CVD touch electronics and IR touchless electronics) comply with the EU EMC Directive (2004/108/EC) and the EU Low Voltage Directive (2006/95/EC). (See also section 3.)

2. Installation

Keep cable lengths as short as possible.



When completing the plug connection between the fitting and the connection cable, check for correct polarity (ensure markings are matched up with one another).

Also observe polarity when connecting the cable to the terminal block on the mains adapter (green wire to “+”, white wire to “-”).

If cabling is completed at the customer with cables not sourced from SCHELL, ensure the quality grades AWG 18, AWG 19 or AWG 20 are met (see also section 4). Ensure 2-conductor cables – ideally twisted-pair – are used at all times. Shielding is not needed, however.

As a first step, always use a SCHELL connection cable (5 m, part number 01 492 00 99 or 10 m, part number 01 493 00 99) in order to create a moisture-resistant plug connection and also for lengths of cable that connect to another distribution box outside the wet room area.

3. EC Declaration of Conformity

EC Declaration of Conformity



Manufacturer:

Schell GmbH & Co.KG
Raiffeisenstrasse 31
57462 Olpe, Germany

Product:

CVD Touch Electronics

Conformity:

For the product to be designated, we declare conformity with the applicable parts of the European directives:

EMC Directive 2004/108/EC
Low Voltage Directive 2006/95/EC

Applied harmonised standards:

EN 61000-6-2 Immunity standard for industrial environments
EN 61000-6-3 Emission standard for equipment in residential environments
EN 61000-4-2 Testing and measurement techniques – Electrostatic discharge immunity test

Issued by:

Schell GmbH & Co.KG

Olpe, (date) _____

J. Schell
Executive director

Pulm
Head of Quality Management

Schuh
Head of Electronic Development

EC Declaration of Conformity



Manufacturer:

Schell GmbH & Co.KG
Raiffeisenstrasse 31
57462 Olpe, Germany

Product:

Infrared universal electronics for wash basins, urinals and WCs

Conformity:

For the product to be designated, we declare conformity with the applicable parts of the European directives:

EMC Directive 2004/108/EC
Low Voltage Directive 2006/95/EC

Applied harmonised standards:

EN 61000-6-2 Immunity standard for industrial environments
EN 61000-6-3 Emission standard for equipment in residential environments
EN 61000-4-2 Testing and measurement techniques – Electrostatic discharge immunity test

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4. Definition of cable quality

AWG – American Wire Gauge is a code used for cable diameters and cross-sectional areas.

AWG number	Diameter [mm]	Cross-sectional area [mm ²]
18	1.02	0.79
19	0.91	0.65
20	0.81	0.51
21	0.72	0.407
22	0.64	0.32