HIRSCHMANN
A **BELDEN** BRAND
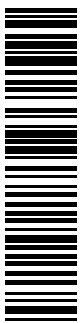
General safety instructions

■ Conditions for connection and installation

☐ IMPORTANT: Observe the conditions for connection and installation that are listed in the manual for the range of devices in question before you connect the device to the supply. The complete manual can be found at "Instructions on downloading product information (manuals, software)" on page 5.

☐ Verify that the electrical installation meets local or nationally applicable safety regulations.

■ Qualification requirements for personnel

This product may only be erected, installed, set up and operated by persons who are adequately qualified to perform the task, for example having been trained, taught or authorized to connect, to switch on and off, to ground and to label power circuits, devices or systems in accordance with current safety engineering standards.

■ Setting up the device

⚠ WARNING

ELECTRIC SHOCK

☐ For supply voltage connections with protective conductor connections and/or ground connections on the device casing:
Ground the device before connecting the power supply and other connections. When removing connections, remove the protective or ground connector last. Observe the notes in the manual.

☐ Connect only a supply voltage that corresponds to the type plate of your device.

☐ Make sure the power supply has an easily accessible disconnecting device (for example a switch or a plug).

☐ Never insert pointed objects (narrow screwdrivers, wires, etc.) into the device or into the connection terminals for electric conductors. Do not touch the connection terminals.

☐ Always install this device in a switch cabinet or a location which can only be accessed by maintenance staff. For other installation locations, follow the instructions in the manual.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

⚠ WARNING

FIRE HAZARD

Mount the device in a switch cabinet with fire protection characteristics according to IEC 60950-1. For other installation locations, follow the instructions in the manual.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

⚠ CAUTION

OVERHEATING OF THE DEVICE

When installing the device, make sure that the ventilation slots are not covered.

Make sure there is at least 3.94 in (10 cm) clearance between devices. For smaller clearances, observe the instructions in the manual.

Failure to follow these instructions can result in injury or equipment damage.

■ **For devices and connections with supply voltages of less than 30 V AC or less than 60 V DC**
Supply voltage connections and signal contacts may exclusively be connected to SELV circuits with voltage restrictions in accordance with IEC/EN 60950-1. Observe the required fuse ratings in the manual.
For devices with Class 2 indication on the type plate the following requirements apply:
▶ Alternative 1
The power supply complies with the requirements for a limited power source (LPS) in accordance with EN 60950-1.
▶ Alternative 2
Relevant for North America:
The power supply complies with the requirements in accordance with NEC Class 2.

Also observe the instructions in the manual.

■ **Underlying technical standards**
The device has an approval based on a specific standard only if the approval indicator appears on the device casing.

■ Declaration of conformity SJ/T 11363-2006 (China RoHS)

For use in China

依照中国标准的产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
黄铜金属部件	X	O	O	O	O	O
PCBA印刷电路板	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

备注：

- 黄铜金属部件含铅量最高有可能达到4%，然而，这些零部件符合欧盟RoHS豁免条件。详情可参照欧盟指令2011/65/EU附录3中第6(c)项 {Annex III 6(c)}。

- PCBA: 焊锡不含铅。PCBA板上的电子元件可能含铅。然而，这些电子元件符合欧盟RoHS豁免条件。详情可参照欧盟指令2011/65/EU附录3中第7(c)-I项 {Annex III 7(c)-I}。

Instructions on downloading product information (manuals, software)

☐ Enter the URL in your browser:

▶ Product Family RSP - Switches
(RSP20 - Fast Ethernet, RSP35 - Gigabit Ethernet)
http://belden.catalog.belden.com/en/RSP

▶ Product Family RSPL - Lite Switches
(RSPL20 - Fast Ethernet, RSPL30 - Gigabit Ethernet)
http://belden.catalog.belden.com/en/RSPL

▶ Product Family RSPS - Fast Ethernet Switches
(RSPS20 - Standard, RSPS25 with extended redundancy)
http://belden.catalog.belden.com/en/RSPS

▶ Product Family RSPE - Gigabit Ethernet Switches
(RSPE30 - Standard, RSPE32 - with PoE, RSPE35 - extended
redundancy, RSPE37 - extended redundancy with PoE and PoE+)
http://belden.catalog.belden.com/en/RSPE

▶ Product Family RED - Fast Ethernet Switches
(RED25 - extended redundancy)
http://belden.catalog.belden.com/en/RED

▶ Product Family MSP: Modular Gigabit Ethernet Switches
(MSP30 - Standard, MSPE32 - with PoE or PoE+)
http://belden.catalog.belden.com/en/MSP

▶ Product Family GREYHOUND: Modular Fast/Gigabit Ethernet Switches
(19" device casing)
(GRS1020, GRS1120 - Fast Ethernet Switch, GRS1030, GRS1130 -
Gigabit Ethernet Switch, GRM20 - Fast Ethernet Module)
http://belden.catalog.belden.com/en/GREYHOUND

▶ Product Family OpenOCTOPUS: IP67/65/54 Gigabit Ethernet Switches
(OS30 - without PoE-Ports, OS32 - with PoE-Ports)
http://belden.catalog.belden.com/en/OCTOPUS

▶ Product Family EES
http://belden.catalog.belden.com/en/EES

▶ Product Family EESX
http://belden.catalog.belden.com/en/EESX

▶ Other products
http://belden.catalog.belden.com/en/products

After you have changed to the product of your choice, proceed according to the following instructions.

☐ Click "Details" for the required software version for your device (e.g. "with HiOS 2.0").
For the required device type, click the "Details" link and skip the next step, or if you need information about a specific device, click the "Configurator" link.

☐ One after the other, select the features of the required device variant in the variant selection fields and then click "Apply".
If you want to change a selection you have made, click the arrow in front of the selection field.The web application highlights the selections you have made with a light blue frame.
The dark blue triangle at the end of the light blue frame indicates the next feature that can be selected.

☐ Click the "Downloads" tab.
Here you will find not only the installation manuals, but also the software and the software manuals.

☐ Click "Installation Manual".

☐ Scroll to the highest release version of the language that you want and click "Download".

☐ Open the PDF document with a suitable program or save the PDF document at a location of your choice.

ISO image for product DVD

The product DVD for each product family contains comprehensive information, previous software versions and manuals, as well as useful external applications.
The ISO image of a product family is available for you to download on the product page of the device (see chapter above). The ISO image enables you to burn your own product DVD.

Manufacturer's address

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51
72654 Neckartenzlingen
Germany
www.hirschmann.com

Patent notices

The device may be covered by one or more patents.
For further information see
www.belden.com/patents/hirschmann