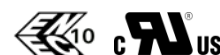


To:	Sales Manual Holder	Category:	Product News
From:	Albert Bürgler	Product Group:	Connectors
Date:	October 2016	Pages:	3



IEC Push/Pull Appliance Coupler IP 67 / IP 69K

4761 - Appliance Inlet
4762 - Cord Connector



Product

SCHURTER presents the new waterproof IEC connector consisting of the appliance inlet type 4761 and the rewirable cord connector type 4762. With its high protection class IP 67 or IP 69K connected or unconnected with cover, this appliance coupler is perfect for supplying power to appliances used in harsh environments such as industrial, marine, laboratories or any type of outdoor appliances.

The Push/Pull locking system provides a strong reliable connection, yet at the same time ensures a break-away cable in the event of overdue stress. The blue shape and color of the pull-out mechanism indicates the pull-out direction. A clear catch sound is heard upon the seated connection. The connector style is similar to the international standards of IEC and UL/CSA 60320, but is distinguished by a special arrangement of the contacts, so as not to interchange with conventional power cords. This ensures the maximum power applied, IP protection and the cord retention. The connector can be temporarily submerged in water and can be cleaned with high-pressure hot water cleaners. Both components are very easy to terminate. The inlet 4761 is available with solder or quick connect terminals. The connector is equipped with conventional screw terminals, as commonly seen in rewirable connector designs. Thus, no special tools for wire assembly are necessary.

The appliance couplers are available in black and white. The dual components, appliance inlet and cord connector, can be ordered as complete sets, which simplifies the ordering processes and customer logistics. The inlet and connector are also available as individual components for separate inventoring. Accessory covers are available for both plug parts, providing a waterproof protection IP 67 in plugged state and IP 69K in an unplugged state. These protective covers also offer protection against pollutants, which can potentially contaminate the contacts.

The waterproof appliance coupler set is VDE and UL/CSA approved. The rated current is according to IEC 10A @ 250 VAC, according to UL/CSA 15A @ 250 VAC. The maximum operating temperature is +120°C. Quick connect terminal options for the inlet are 4.8x0.8mm, 6.3x0.8mm or solder. The cord connector can be assembled with cables from 6.0 - 10.0 mm, maximum wire size acc. to IEC 1.0 mm²,

according to UL/CSA 14AWG (2.08mm²). The approvals of these connectors according to IEC/UL 60320 simplify the process for the equipment manufacturer to obtain approval of their appliances, because many equipment standards with respect to the power supply refers to these component standard

Technical Data / Approvals / Prices

- Connectors acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1
- Ratings: IEC 10 A / 250 VAC, UL/CSA 15 A / 250 VAC
- Wire size connector: 0.75 mm² - 1.0 mm², 18 AWG – 14 AWG (2.08 mm²)
- Maximum operating temperature: +120°C

Detailed technical data can be found on the [Data Sheet \[1\]](#) on the SCHURTER website. [Approval Information \[2\]](#) are on the SCHURTER website as well. Price lists can be found on the [Partner Service \[3\]](#).

Applications

Typical applications for the types 4761 and 4762 are therefore devices in harsh industrial environments, laboratory equipment, measuring equipment and in the marine sector.

Product Training, CAD data

Training documentation with application is available on [Partner Service \[3\]](#), [CAD-Daten \[5\]](#) are available on our website.

Advertising & PR text

The [Product News \[4\]](#) on the SCHURTER website has been updated under IP 67, resp. types 4761 and 4762. PR text, advertisements in German and English and the PR photo are available on the [Partner Service \[3\]](#).

Samples

Shortly you will receive two promotion boxes. One box includes a black connector set, the other one includes a white connector set, both with the mating protection covers (accessories). The appliance inlets are equipped with solder terminals. Further of these Promotion boxes for customer samples can be ordered for a nominal fee:

Promotion box with black connector set:	4312.0014
Promotion box with white connector set:	4312.0015



For individual customer samples please use the variants which are available ex stock SAG. [Use Stock Check \[6\]](#) on our website for further information. Lead time for higher volumes on request.

Packaging

The products will be delivered in blister packaging, 2 layers with 5 pcs each. The outer dimensions of the cardboard box for 10 pcs are:
W x L x H = 255 x 230 x 85 mm, weight = 1'050 g
Connectors and plugs as individual parts are provisionally delivered in the same packaging style. That means, one half of the blister remains unused.



Competition

Several competitors are offering IP protected connectors for main voltage for a long time. The main suppliers are: Neutrik, Bulgin, Binder, Molex, Harting.

Two of our strengths are the simple cable assembly and the easy order numbering system: 1 order number to order a complete connector set.

If you have any questions please do not hesitate to contact us.

Kind regards

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Sales Information Links

- [1] Data Sheet 4761 <http://www.schurter.ch/en/datasheet/4761>
- [1] Data Sheet 4762 <http://www.schurter.ch/en/datasheet/4762>
- [2] Approvals <http://www.schurter.com/Home/Services/Approval-Information>
- [3] Partner Service <http://www.schurter.com/en/Partner-Information/Partner-Service>
- [4] Product News <http://www.schurter.ch/en/Components>
- [5] CAD data <http://www.schurter.com/Home/Services/CAD-Drawings>
- [6] Stock Check <http://www.schurter.ch/en/Home/Services/Stock-Check-SCHURTER>

Microsite ip67 <http://ip67.schurter.com>