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Georg Schlegel GmbH & Co. KG

Double the charge

New USB-A charging jack from SCHLEGEL – suitable for railway application

DUERMENTINGEN - Mobile devices are part of our everyday life and have to be available everytime, everywhere. It is all the more important to recharge the battery in time and fast. The new USB-A charging jack from Schlegel has been designed to do exactly that. The jack has 2 USB-A ports, each providing a charging current of 2.4 A at an output voltage of 5 V. This way, two devices can be charged at the same time at "lightning speed".

But not only the charging capacity is convincing, the scope of functions for safe operations does as well. The jack comes with a current limitation of the output current of each USB port, including also a protection against short-circuit, undervoltage and overvoltage.

Overload protection

The charging jack can be operated within a temperature range of -40 °C to 70 °C. When the environmental temperature rises, a temperature sensor ensures that the electronics do not heat up too much. It regulates the charging current correspondingly or even switches off the charging process automatically when critical temperatures are being reached. Only after the temperature returned to the uncritical state the charging process will be continued. Additional ventilation slits ensure a continuous cooling, especially when the circulation of air is restricted due to the mounting situation.

The robust USB-A charging jack has a mechanical lifetime of min. 5000 plugging cycles and is constructed for a panel cut-out of 30.5 mm. The operating voltage ranges from 15 V to 30 V DC. The electrical connection is provided with a spring-load terminal for cable cross-sections from 0.2 to 2.5 mm².

The new SCHLEGEL charging jack is also suitable for railway applications as all relevant parts of it comply with the standards EN 50155, EN 61373:2011 class 1B, EN 60077-1, EN 45545-2, EN 60068-2, EN-50121-3-2, IEC 61000-6-3/4, EBA EMV06.

SCHLEGEL currently offers 2 versions of the charging jack: KRJSW_2USB_A_5V with black front bezel and KRJM_2USB_A_5V with silver-coloured front bezel.



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Photos



Caption: Fast and safe charging: The new USB-A charging jacks from SCHLEGEL. Photos: GEORG SCHLEGEL



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About Georg Schlegel GmbH & Co. KG

Schlegel stands for innovation, quality and design. Founded in 1945, Schlegel is today a globally operating company with headquarters in Germany, sales offices in Austria and Singapore, and exports

Press Release

to more than 80 countries on all five continents. The core competences: Development and production of control units, pilot lights and terminal blocks. The product portfolio further includes bus systems, enclosures, limit switches, control panels and functional components. When developing new products, Schlegel sets high standards as to the design. More than 100 national and international design awards confirm the company's high level of design expertise, among these prizes are the iF Design Award, the Red Dot Award, the Good Design Award and the German Design Award.