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Editorial Contact: Suzanne Bowser
sbowser@schurterinc.com

SCHURTER Inc.
447 Aviation Boulevard
Santa Rosa, CA 95403
Tel 707 636 3000
Fax 707 636 3033
www.schurterinc.com

DKIH-4 High Current Choke

Santa Rosa, California, December 12, 2018 – SCHURTER expands its successful range of PCB mount current-compensated chokes with a series for 4-wire high-current applications. The series is available for three phase applications with neutral line at rated currents from 10 A to 40 A. Due to the open design, the chokes are particularly compact and lightweight.



The power system portion of an electronic equipment is increasingly configured on a printed circuit board using discrete components. Dense integration of these components to achieve a compact design, increases thermal problems due to the resulting high currents on the PCB. EMC interference can affect adjacent modules due to the lack of spatial separation. Therefore, a compact filter on the PCB with discrete components is often the best solution. A current-compensated choke with capacitors is the most efficient method of suppressing EMC interference and the DKIH-4, with its nanocrystalline ring core, provides much greater inductance in a smaller footprint over conventional ferrite core chokes.

The new DKIH-4 series is suitable for three phase applications with neutral line from 10 A up to 40 A. Lightweight and compact, the THT mount common-mode chokes are designed according IEC 60938 and rated 500 VAC or 760 VAC, making them suitable for almost any applications. Temperature range is -40 °C to +100 °C. In addition to the standard versions, customer-specific pin configurations or variants can be created on request.

Pricing for the DKIH-4 starts at about \$20.00 in quantities of 500 pieces. The datasheet link can be found at <https://www.schurter.com/en/datasheet/DKIH-4>. Applications notes, white papers and spice library for DKIH can be found at <https://us.schurter.com/en/Landing-Page/Products-and-Technologies/Common-Mode-Choke>. For sales and product information, contact Cora Umlauf at (800) 848-2600 or by email at info@schurterinc.com.

About SCHURTER Inc.

SCHURTER is a progressive innovator and manufacturer of electronic and electrical components to industries worldwide. The Components Division is comprised of units: Circuit Protection, Connectors, Switches, and EMC Products, including measurement services as well as the Solutions unit, which offers customers a total interdisciplinary package. Division Input Systems offers complete touchscreen solutions including displays, housings and electronics. The two divisions focus on providing clean and safe supply of power and making equipment easier to use. These core competencies bring a high degree of innovation to SCHURTER's main markets Medical, Automotive, Energy, Data Communications, Avionics and Space, as well as the broader Industrial market.

SCHURTER meets its customers' highest demands through certified quality, environmental and safety management systems, ISO 9001, ISO 14001, OHSAS 18001, using highly developed Six Sigma processes. Processes certified according to the Automotive Standard IATF 16949: 2016 assure AEC-Q200 qualified protection devices, while processes certified to the most demanding of standards by the European Space Agency, ESA, are also in place to assure ESCC QPL listed for use in space flight applications. Additionally, SCHURTER components are suited for use in equipment according to IEC / UL 60601-1 and IEC / UL 60601-1-11, which outlines additional safety measures specific to medical equipment intended for use in the home. Components are also suitable for use in Data Communications equipment according to IEC / UL 60950.

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