



APPLICATIONS
monitoring consumption
Accounting



MAGGIORI CONTENUTI ONLINE

# Hall effect openable current sensor with 10 A measuring range

- Open loop structure
- Easy to install
- Measuring range 10 A
- High precision and good linearity

The **KET-SHA-001.21** is part of a series of newly developed open-loop **Hall current sensors** that can be used to detect DC, AC current signals, even high frequency, pulse and irregular current signals. Isolated on the primary and secondary side, **it ensures maximum electrical safety**. Equipped with 2 m long connection cable, with RJ12 connector, through which power is supplied from a single external DC and stabilized voltage.

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	<b>Protection Range:</b> <b>Operative Temperature:</b> -25 ÷ +80 °C <b>Storage Temperature:</b> -40 ÷ +85 °C <b>Relative Humidity:</b>
CASE	<b>Dimensions:</b> 60 x 61 x 20.5 mm (W x H x D) <b>Connections:</b> <b>Mounting:</b> <b>Cable Diameter:</b> Max 21 mm <b>Bar Size:</b> <b>Material:</b> Self extinguishing: UL 94 V-O <b>Weight:</b>
POWER SUPPLY	<b>Supply Voltage:</b> +5 (±1%)VDC <b>Consumption:</b> <=15 mA <b>Connectors types:</b> RJ12 (6P4C)
CURRENT SENSOR	<b>Sensor Type:</b> Hall effect openable sensor <b>Current Range:</b> ±10 A <b>Voltage Output:</b> 1.875 ÷ 3.125 V <b>Internal Resistance:</b> >=10 kOhm <b>Typical Sensitivity:</b> <b>Precision:</b> <=2 .0% ( T=25°C VC=±15V) <b>Tolerance:</b> <b>Linearity:</b> <=2 .0% ( T=25°C) <b>Linearity Range:</b> <b>Nonlinearity:</b> <b>Hi Pot Test:</b> 3.0 kV/Min <b>Temperature Drift:</b> <b>Noise Spectral Density:</b>
CERTIFICATIONS	<b>Referends Standard:</b> RoHS Compliant <b>Approvals:</b> <b>Security:</b> <b>Metrology:</b>

