

R 58[®]

HV temperature sensors

Voltage-resistant temperature measurements
in automotive engineering



YOUR PARTNER FOR TEMPERATURE



RECKMANN GMBH

Your specialist for temperature measurement technology from Hagen

RECKMANN GMBH supplies thermocouple assemblies, sheathed thermocouples assemblies, resistance thermometers and line sensors in many variants (also IECEx/ ATEX) for all industries with temperature-controlled processes worldwide.

Quality and competence have been at the forefront of the activities of RECKMANN GMBH since 1970. Our many years of experience enable us to always find the best solution for you.

The **HV temperature sensors** supplement the product range in the field of voltage-resistant temperature measurements in automotive engineering.

R58-HV

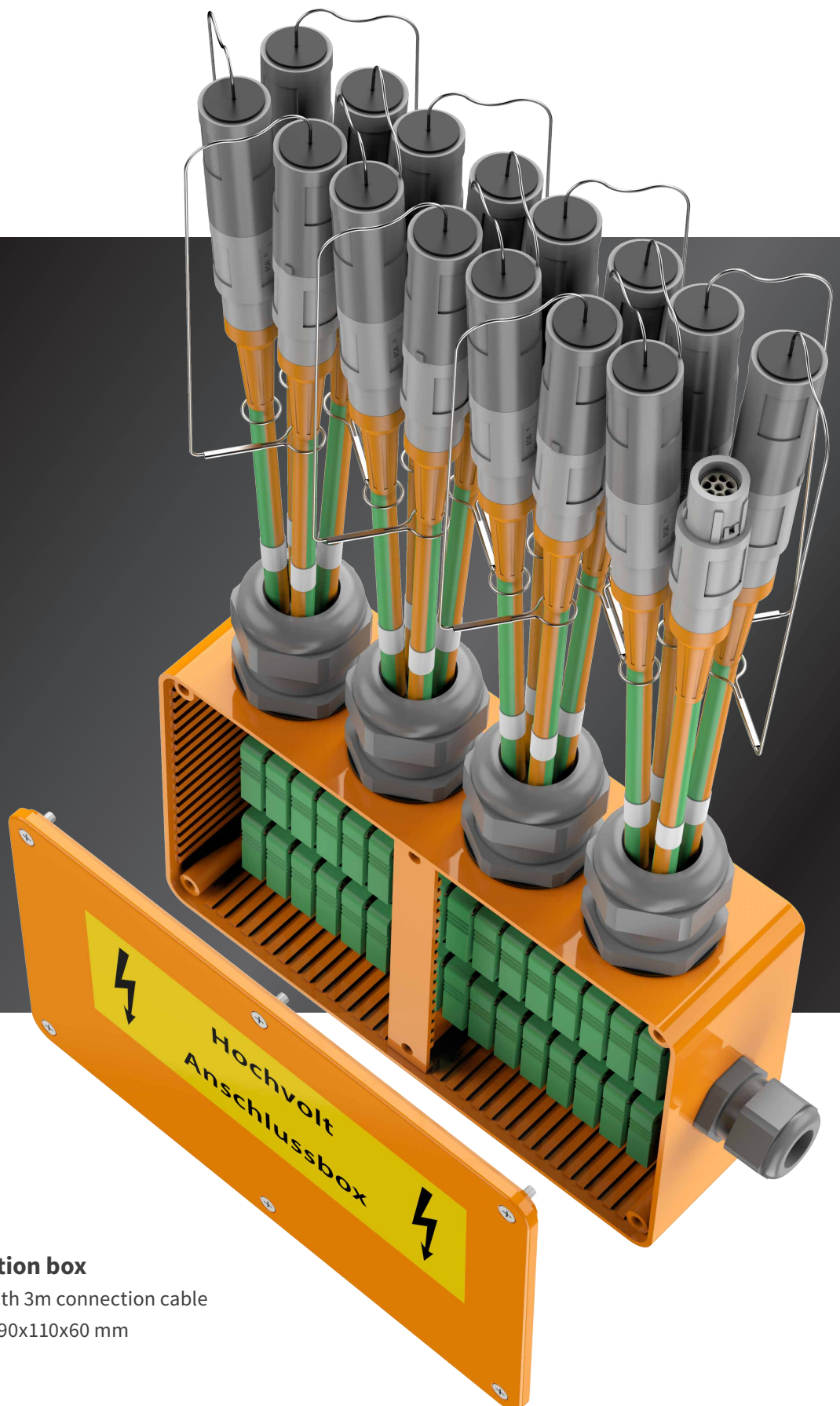
There has been increased activity worldwide in the development and design of electric drives for vehicle technology. Electromobility is setting new standards – also in temperature measurement technology.

Sensors for tests in the field of electric motors must have an increased dielectric strength of electrical voltages. Our HV temperature sensor line R58-HV-1K-xxx and R58-HV-4K-xxx is based on the thermocouple function according to IEC / DIN EN 60584.



Due to its special design and increased dielectric strength it is intended for temperature measurements in automotive engineering, especially in battery and supply management of electric and hybrid vehicles.

R58-HV temperature sensors



PA140666

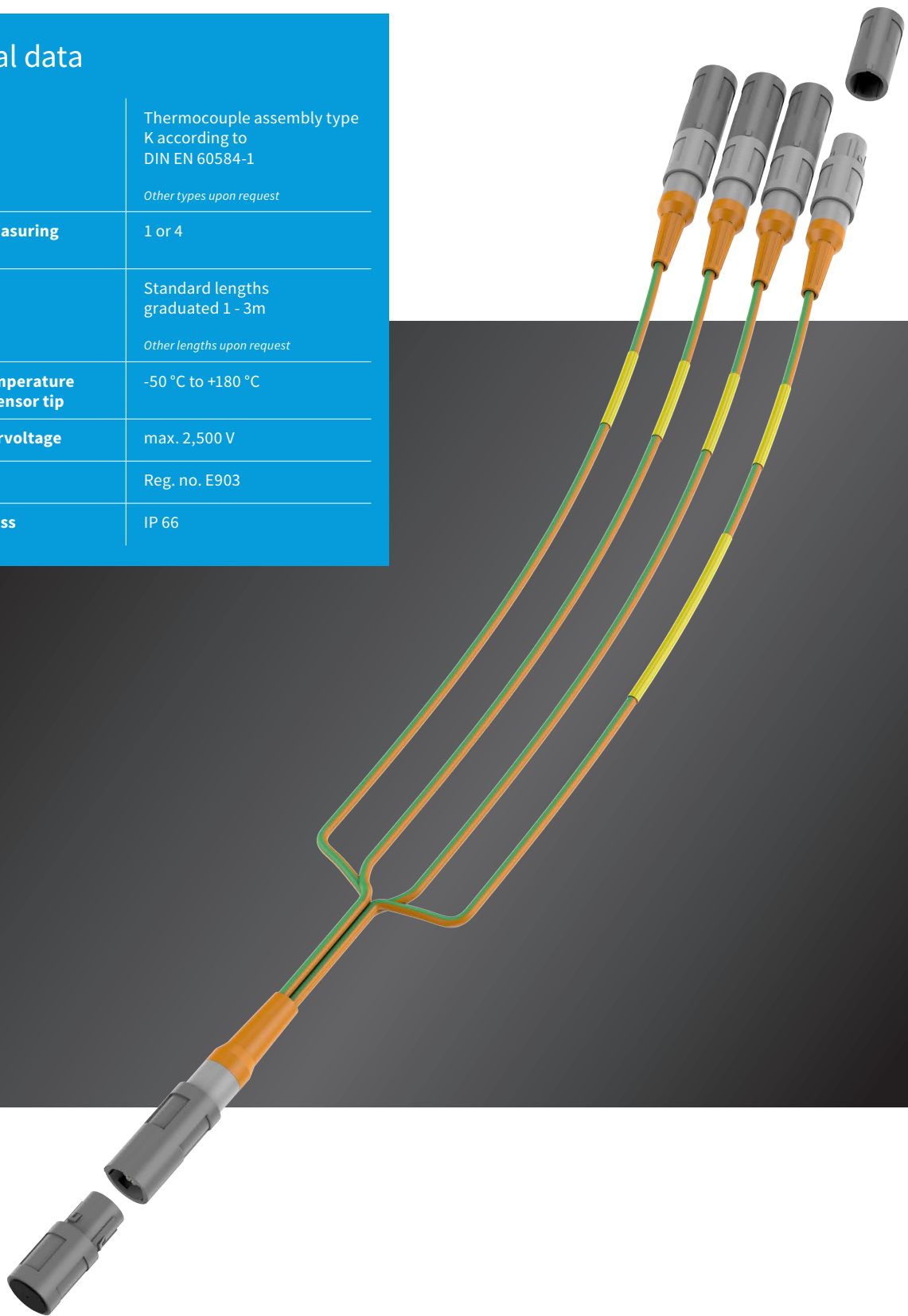
HV connection box

64 channel with 3m connection cable
dimensions 190x110x60 mm



Technical data

Sensor type	Thermocouple assembly type K according to DIN EN 60584-1 <i>Other types upon request</i>
Number of measuring channels	1 or 4
Sensor length	Standard lengths graduated 1 - 3m <i>Other lengths upon request</i>
Measuring temperature range at the sensor tip	-50 °C to +180 °C
Transient overvoltage	max. 2,500 V
VDE tested	Reg. no. E903
Protection class	IP 66

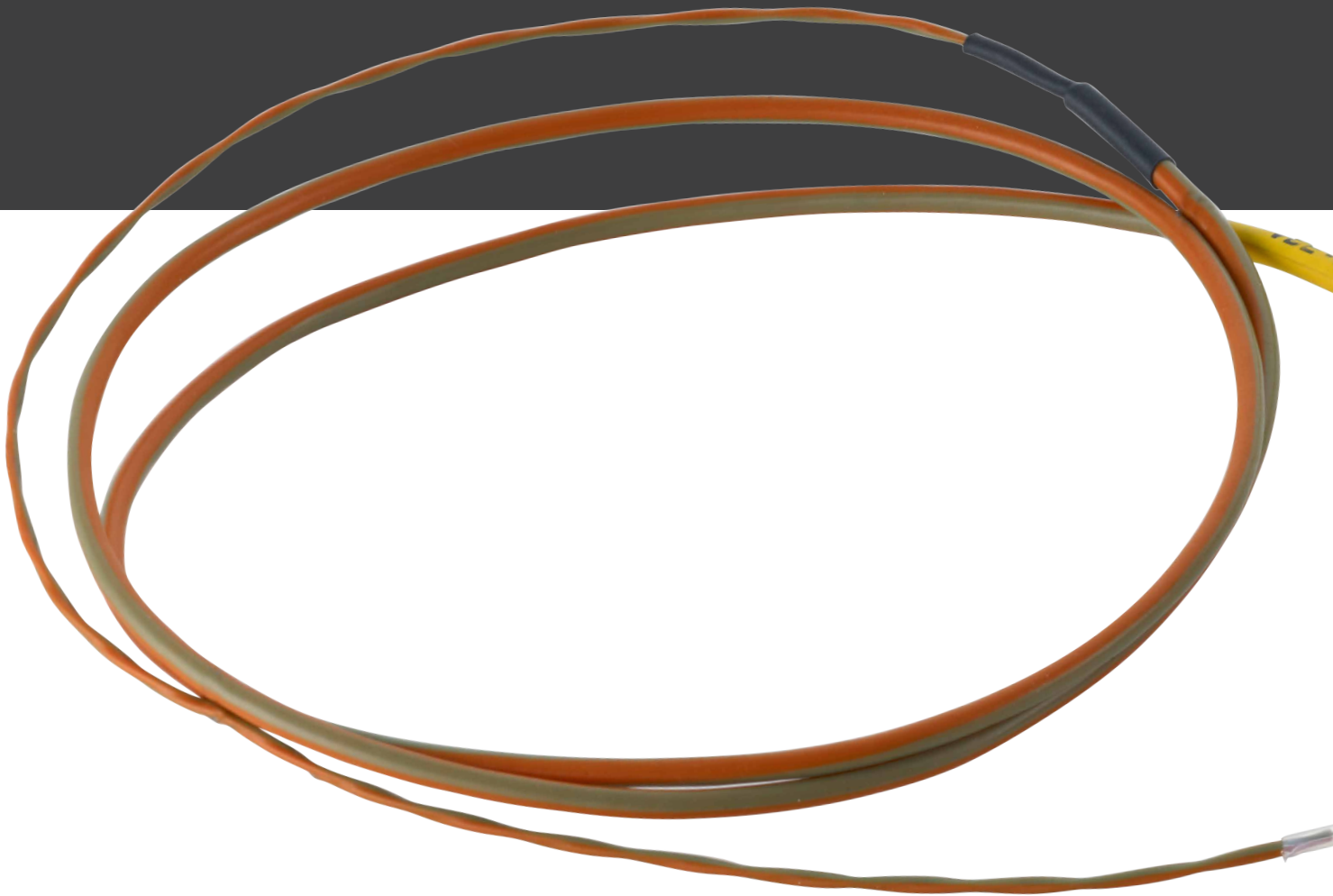


The **HV temperature sensors** from RECKMANN GMBH are constantly being further developed and meet the growing requirements of the automotive market.

Find out more at

www.reckmann.de/en/r58-hv





The **HV temperature sensors** of the R58-HV-1K-xxx and R58-HV-4K-xxx series are classified as „measuring equipment for measuring and testing“ according to IEC / DIN EN 61010-031 and are VDE-tested.

The sensor cables are available in three standard lengths and in customised lengths from min. 1m to max. 15m.

The **HV temperature sensors** are designed for operation in conjunction with all commercially available electronic measuring modules.

HV temperature sensors

Products and accessories



PA128207
HV temperature sensor, 4-channel
in accordance with DIN EN 61010-031
4x type K, with HV Lemo plug size 2



PA133006
HV harness, 4-channel
in accordance with DIN EN 61010-031
4x type K, with HV Lemo plug size 2



PA133004
HV adapter 4 to 1-channel
in accordance with DIN EN 61010-031
4x type K, with HV Lemo plug size 2

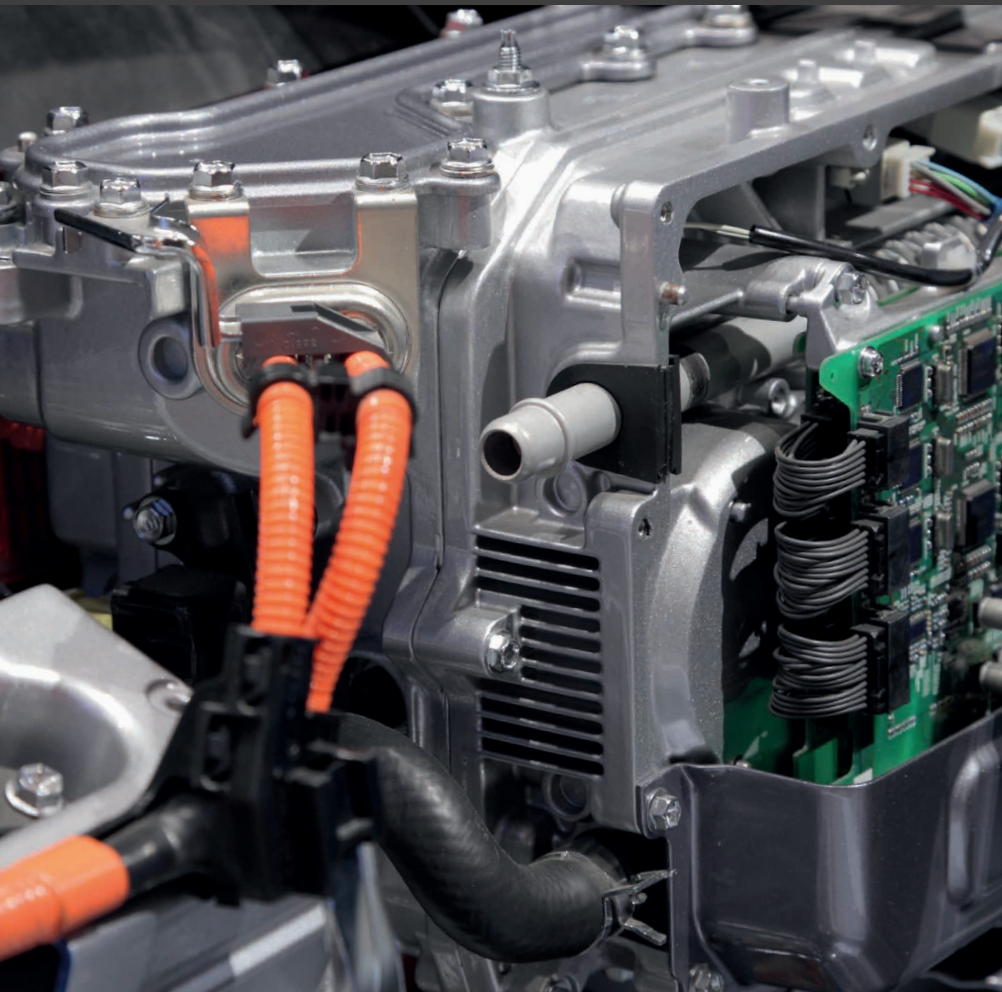


PA134465
4-channel CANBUS module
M-THERMO2 HV
4 separate temperature inputs type K
ambient temperature range: -40 to 105°C



PA134673
8-channel CANBUS module
M-THERMO2
8 separate temperature inputs type K
ambient temperature range: -40 to 125°C

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