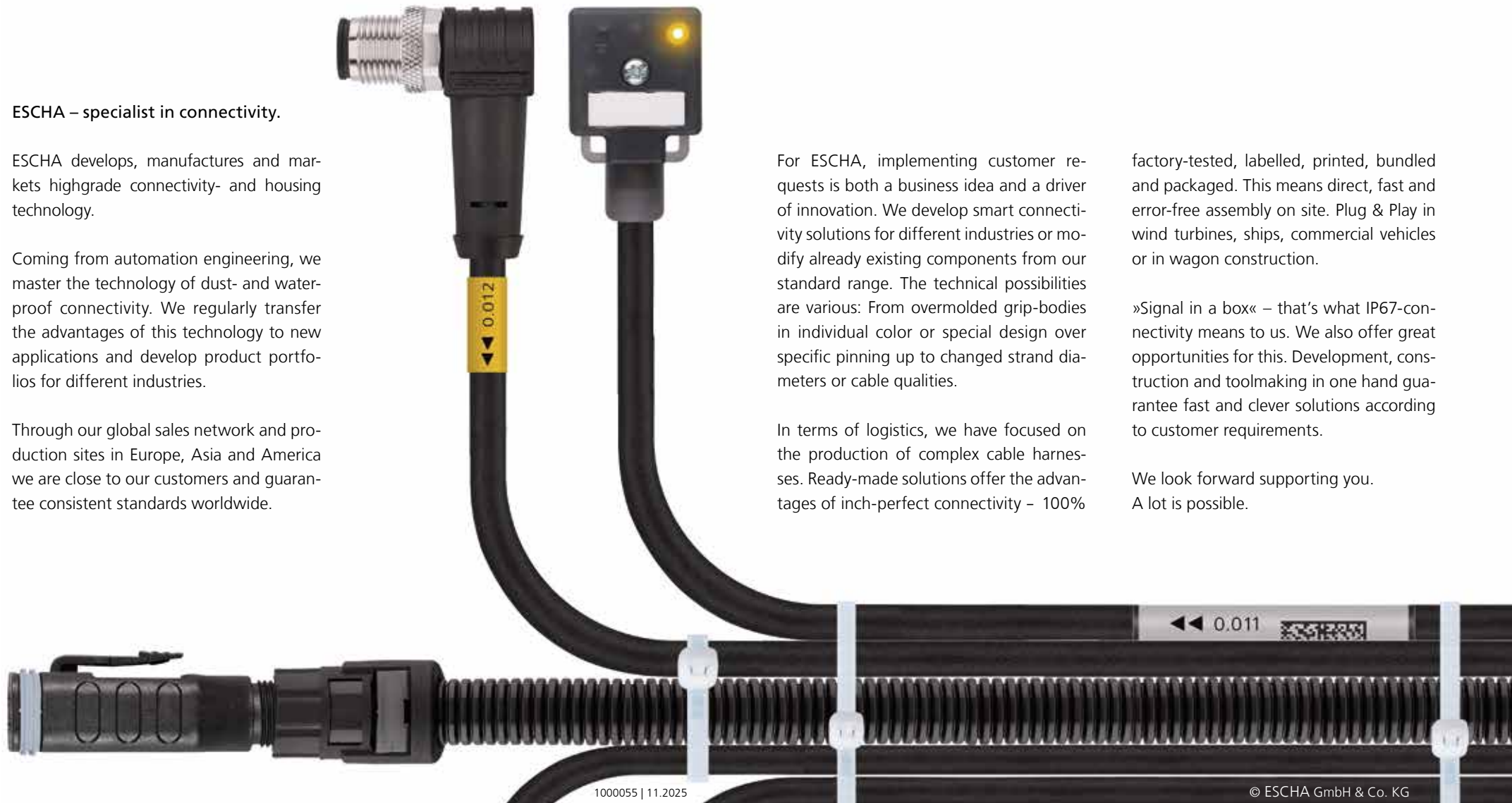


ESCHA – specialist in connectivity.

ESCHA develops, manufactures and markets highgrade connectivity- and housing technology.

Coming from automation engineering, we master the technology of dust- and waterproof connectivity. We regularly transfer the advantages of this technology to new applications and develop product portfolios for different industries.

Through our global sales network and production sites in Europe, Asia and America we are close to our customers and guarantee consistent standards worldwide.



1000055 | 11.2025

© ESCHA GmbH & Co. KG

ESCHA

For ESCHA, implementing customer requests is both a business idea and a driver of innovation. We develop smart connectivity solutions for different industries or modify already existing components from our standard range. The technical possibilities are various: From overmolded grip-bodies in individual color or special design over specific pinning up to changed strand diameters or cable qualities.

In terms of logistics, we have focused on the production of complex cable harnesses. Ready-made solutions offer the advantages of inch-perfect connectivity – 100%

factory-tested, labelled, printed, bundled and packaged. This means direct, fast and error-free assembly on site. Plug & Play in wind turbines, ships, commercial vehicles or in wagon construction.

»Signal in a box« – that's what IP67-connectivity means to us. We also offer great opportunities for this. Development, construction and toolmaking in one hand guarantee fast and clever solutions according to customer requirements.

We look forward supporting you.
A lot is possible.

EN

ESCHA



SPECIALIST IN CONNECTIVITY.

escha.net



SENSOR/ACTUATOR	ROBOTICS	AUTOMOTIVE	POWER	Food & Beverage	DATA TRANSMISSION	TRANSPORTATION	RENEWABLES	MOBILE AUTOMATION
<p>M8-, M12-connectors</p> <ul style="list-style-type: none">■ Single-/double-ended cordsets■ Receptacles, field wireable■ optional: LED 360° shielding■ Steel- or plastic locking-nut■ HT-variants up to +200°C <p>M12 push-pull connectors</p> <ul style="list-style-type: none">■ Single-/double-ended cordsets■ optional: 360° shielding■ overmolded: Inner Locking■ Receptacles: Inner + Outer Locking <p>(Double-)Valve plugs, adapters</p> <ul style="list-style-type: none">■ A, B/BI, C/CI design■ LED, translucent overmolding■ Protective circuit■ Thread for protective hose <p>T-splitters, Y-splitters, adapters</p> <ul style="list-style-type: none">■ M8-, M12-ports, cabel■ 360° shielding <p>M8-, M12-I/O-junctions</p> <ul style="list-style-type: none">■ Front-, top-, fixed connection■ M12 push-pull Inner + Outer Locking <p>IP65, IP67, IP68 UL/CSA</p>	<p>High availability in dynamic applications, handling- and assembly facilities.</p> <p>M8-, M12-, M12 push-pull, RJ45-connectors</p> <p>INDUSTRIAL ETHERNET</p> <ul style="list-style-type: none">■ PROFINET-cables for safe data transmission up to 10GBit/sec■ Torsion: >5million cycles■ Drag-chain: > 4million cycles <p>SENSOR/ACTUATOR</p> <ul style="list-style-type: none">■ Sensor-/Actuator-cables for high mechanical stresses■ Torsion/Drag-chain: >10 million cycles each■ LED 360° shielding <p>IP65, IP67, IP68 UL/CSA</p>	<p>M8-, M12-connectors for body construction and vehicle assembly.</p> <ul style="list-style-type: none">■ Application-related cable qualities■ Enlarged outer-jacket for high welding-beads resistance■ Good drag-chain- and torsion properties■ Yellow portfolio for safety applications■ Oil resistant■ Silicone free■ Original accessories: Mounting-kits, safety-caps, marking-rings ...■ Y-splitter S89 <p>IP65, IP67, IP68 UL/CSA</p>	<p>Power transmission for automation industry via compact and standardized M12-interface.</p> <ul style="list-style-type: none">■ Comprehensive portfolio: Connectors, receptacles, field wireable, T-, H- and h-splitters■ S-coded: 630V_{AC} 12A■ K-coded: 630V_{AC} 12A■ T-coded: 63V_{DC} 12A■ L-coded: 63V_{DC} 16A PNO-approved GY, 4+FE■ Connection cross-section 1.5mm² up to 2.5mm²■ Drag-chain ability <p>IP65, IP67, IP68 UL/CSA</p>	<p>Connectors for the high requirements in the food industry.</p> <ul style="list-style-type: none">■ M8-, M12-connectors, LED, receptacles, field wireable■ Hygienic Design according to EHEDG■ FDA-applied materials■ Resistant to cleaning- and disinfectant agents (ECOLAB)■ Resistant to high-pressure- and steam-jet cleaning■ Good chemical resistance■ Good microbes resistance■ Steel-, plastic locking nuts (temperature-/media resistance)■ TPE- or PVC cable quality <p>IP65, IP67, IP68, IP69 UL/CSA</p>	<p>High-performance data-transmission in industrial applications</p> <p>According to specifications of user organizations</p> <p>INDUSTRIAL ETHERNET</p> <ul style="list-style-type: none">■ M8, M12, M12 push-pull, RJ45, receptacles, patch cords, field wireable■ 100MBit/s: 4D 4P■ 10GBit/s: 8X <p>PROFIBUS</p> <ul style="list-style-type: none">■ M12 5B-portfolio <p>CANopen/DeviceNet (ODVA)</p> <ul style="list-style-type: none">■ M12 5A-portfolio, twisted-pair, stranded wire <p>SPE – Single Pair Ethernet</p> <ul style="list-style-type: none">■ M8-, M12-connetors, M12 field wireable <p>IP65, IP67, IP68 UL/CSA</p>	<p>Connectors, harnesses for all wiring levels in bus&rail.</p> <p>According to standards: Fire performance, temperature, mechanical stress, vibration, shock</p> <p>RAIL APPROVED</p> <ul style="list-style-type: none">■ DIN EN 45545-2 HL3■ DIN EN 50155 <p>BUS APPROVED</p> <ul style="list-style-type: none">■ ECE R118 <p>INDUSTRIAL ETHERNET</p> <ul style="list-style-type: none">■ M8, M12, M12 push-pull, RJ45■ 100MBit/s, 10GBit/s: 8X <p>CANopen/DeviceNet (ODVA)</p> <ul style="list-style-type: none">■ M12 5A-portfolio <p>SENSOR/ACTUATOR</p> <ul style="list-style-type: none">■ M8, M12, M12 push-pull,■ Valve plugs RAIL APPROVED <p>POWER SUPPLY with M12</p> <p>Harnesses: Inchperfect, overmolded, labled, tested ...</p>	<p>Connectors and harnesses for extreme conditions in wind power plants.</p> <p>Comprehensive portfolio: M8, M12, valve plugs, T-splitter, Y-splitter</p> <ul style="list-style-type: none">■ 360°-shielding■ HALT-tested■ Low smoke zero halogen (LSZH)■ IEC 60811-2-1■ IEC 603322-1■ IEC 60754■ IEC 61034 <p>Individual harnesses</p> <ul style="list-style-type: none">■ Inch perfect■ Overmolded connectors■ 100% tested■ Labeling, sets, specialpackaging	<p>Connectors and harnesses for utility vehicles.</p> <ul style="list-style-type: none">■ M12-connetors with robust stainless-steel- or plastic locking-nut■ Valve plugs A, B/BI, C/CI■ Series ET/ETM compatible with DEUTSCH® DT/DTM portfolio (DEUTSCH® is a registered trademark of the TE Connectivity Group)■ Individual B-side assembly■ Thread for protective hose■ Original accessories: Mounting-kits, safety-caps, protectivehoses, marking-rings■ Dust- and water proof junctionboxes (customer specific), individual harnesses for immediate installation <p>IP65, IP67, IP68, IP69K</p>