.ESCHA

SPECIALIST IN CONNECTIVITY.

escha.net

SENSOR/ACTUATOR	ROBOTICS	AUTOMOTIVE	POWER	Food & Beverage	DATA TRANSMISSION

SENSOR/ACTUATOR

M8-, M12-connectors

- Single-/double-ended cordsets
- Receptacles, field wireable
- LED | 360° shielding
- Steel- or plastic locking-nut
- HT-variants up to +200°C

(Double-)Valve plugs, adapters

- A, B/BI, C/CI design
- LED, translucent overmolding
- Protective circuit
- Thread for protective hose

T-splitters, Y-splitters, adapters

- M8-, M12-ports, cabel
- 360° shielding

M8-, M12-I/O-junctions

- Front-, top-, fixed connection
- AND, AND/OR logic

IP65, IP67, IP68 | UL/CSA

ROBOTICS

High availability in dynamic applications, handling- and assembly facilities.

M8-, M12-, RJ45-connectors

INDUSTRIAL ETHERNET

- PROFINET-cables for safe data transmission up to 10GBit/sec
- Torsion: >5 million cycles
- Drag-chain: > 4 million cycles

SENSOR/ACTUATOR

- Sensor-/Actuator-cables for high mechanical stresses
- Torsion/Drag-chain: >10 million cycles each
- LED | 360° shielding

IP65, IP67, IP68 | UL/CSA

AUTOMOTIVE

M8-, M12-connectors for body construction and vehicle assembly.

- 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

IP65, IP67, IP68 | UL/CSA

POWER

Power transmission for automation industry via compact and standardized M12-interface.

- 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

IP65, IP67, IP68 | UL/CSA

Food & Beverage

Connectors for the high requirements in the food industry.

- 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

IP65, IP67, IP68, IP69

DATA TRANSMISSION

High-frequency-design for high-performance data-transmission in industrial applications | Future-proof in highly available networks.

According to specifications of user organizations

INDUSTRIAL ETHERNET

- M8, M12, RJ45, receptacles patch cords, field wireable
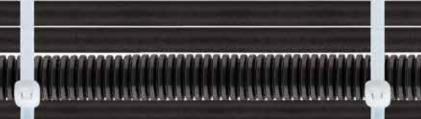- 100 MBit/sec: 4D | 4P
- 10GBit/sec: 8X

PROFIBUS

- M12 | 5B-portfolio

CANopen/DeviceNet (ODVA)

- M12 | 5A-portfolio, twisted-pair, stranded wire

IP65, IP67, IP68 | UL/CSA

ESCHA

TRANSPORTATION

Connectors, harnesses for all wiring levels in bus & rail.
According to standards: Fire performance, temperature, mechanical stress, vibration, shock

RAIL APPROVED
- DIN EN 45545-2 HL3
- DIN EN 50155

Data connectors 10GBit/sec. 100Mbit/sec. | Sensor-/Actuator wiring | Power supply

BUS APPROVED
- ECE R118

Data connectors CANopen/DeviceNet, Industrial Ethernet | Sensor/Actuator, Harnesses: Inch perfect, overmolded, tested …

RENEWABLES

Connectors and harnesses for extreme conditions in wind power plants.
- 360°-shielding
- HALT-tested
- Low smoke zero halogen (LSZH)
- IEC 60811-2-1
- IEC 603322-1
- IEC 60754
- IEC 61034

Comprehensive portfolio: M8, M12, valve plugs, T-splitter, Y-splitter

Individual harnesses
- Inch perfect
- Overmolded connectors
- 100% tested
- Labeling, sets, special-packaging

MOBILE AUTOMATION

Connectors and harnesses for utility vehicles.
- M12-connetors with robust stainless-steel- or plastic locking-nut
- Valve plugs A, B/BI, C/CI
- Deutsch-DT portfolio (overmolded)
- Individual B-side assembly
- Thread for protective hose
- Original accessories: Mounting-kits, safety-caps, protective-hoses, marking-rings …
- Dust- and water proof junction-boxes (customer specific)

Individual harnesses for immediate installation
IP65, IP67, IP68, IP69

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.

ESCHA – specialist in connectivity.

ESCHA develops, manufactures and markets high-grade 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.

- ESCHA production-/sales locations
- Licensed productions
- Sales partners