

ESCHA offers a wide range of standard connectivity- and enclosure solutions. In addition to these standard products, regular innovations and tailor-made developments are part of our daily business. From this, we have developed products specifically for the wind-power industry.

Our global delivery network and manufacturing facilities in Europe, America and Asia guarantee consistent product-, quality- and service standards worldwide.

Connectivity Technology for Wind Turbines

Fully shielded connectors suitable for high mechanical loads and lightning protection



Reliable bus-signal transmission even with high vibrations



Dust and waterproof according to IEC 60529

IP67

Resistant to hydraulic-, mineral oils and lubricants according to IEC 60811-2-1



Halogen free cable material (LSZH)
Flame retardant (IEC 60332-1/-2)
Smoke visibility (IEC 61034-2)
Corrosiveness of combustion gases (IEC 607542-1/-2)



UL/CSA listed



Tailor-made solutions | individual labelling and lengths of cables



ESCHA Bauelemente GmbH
Elberfelder Str. 32 | 58553 Halver
Phone + 49 2353 708 - 800
Fax + 49 2353 708 - 410
Germany



M12x1, 360° shielded
(IEC 61076-2-101)

M12x1, for bus applications
(IEC 61076-2-101)

Valve Connector
(DIN EN 175301-803)

Design modifications based on quality improvements, further development or production requirements are subject to change without further notice.

Types of construction	Plug/Coupling straight/angled moulded cable/field-wireable	Coupling straight/angled moulded cable	A, B, C straight/angled moulded cable/field-wireable
Polarity	3, 4, 4+PE, 5, 6, 8, 12	2, 4	2+shield on pin
Shielding	360° shielded 2-component overmoulding	360° shielded 2-component overmoulding, special shield connection	shielded shield on pin
Degree of protection	IP67, IP69K (IEC 60529) when installed correctly	IP67 (IEC 60529) when installed correctly	IP67 (IEC 60529) when installed correctly
Degree of pollution	3	3	3
Connector			
Body	TPU	TPU	TPU
Coupling nut	CuZn, nickel-plated	CuZn, nickel-plated	CuSn, nickel-plated
Contact carrier	TPU	TPU	PA5GF
Contacts	CuZn, gold-plated >2µm Volume resistance ≤5mΩ	CuZn, gold-plated >2µm Volume resistance ≤5mΩ	CuZn, silver-plated
Sealing	FPM/FKM	FPM/FKM	TPU
Cable quality			
Features	PUR/halogen-free Halogen-free (IEC 60754-1/-2) Flame retardant (IEC60332-1/-2) UV resistant Oil resistant (IEC60811-2-1) Corrosiveness of combustion gases (IEC 60754-1/-2) Smoke visibility (IEC 61034-2) Silicone-free	PUR/halogen-free Halogen-free (IEC 60754-1/-2) Flame retardant (IEC60332-1/-2) UV resistant Oil resistant (IEC60811-2-1) Corrosiveness of combustion gases (IEC 60754-1/-2) Smoke visibility (IEC 61034-2) Silicone-free	PUR/halogen-free Halogen-free (IEC 60754-1/-2) Flame retardant (IEC60332-1/-2) UV resistant Oil resistant (IEC60811-2-1) Corrosiveness of combustion gases (IEC 60754-1/-2) Smoke visibility (IEC 61034-2) Silicone-free
Rated voltage	3-, 4-pole: max. 250V 4+PE, 5-pole: max. 60V 6-, 8-, 12-pole: max. 30V	2-, 4-pole: max. 250V	max. 230V _{AC/DC} max. 24V _{AC/DC} with/without protection circuit
Current load	3-, 4-, 4+PE, 5-pole: 4A 6-, 8-pole: 2A 12-pole: 1,5A	2-, 4-pole: 4A	DIN EN 175301-803
Operating temperature	-30°C...+90°C	-30°C...+90°C	-30°C...+90°C

