



Thread insert material	Metal, CuZn
Standards	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67
Mechanical life-cycle	>100 mating cycles
Connecting plug	M23, 19 poles
Sealing material, connecting-plug	Plastic, FPM/FKM
Receptacle housing material, connecting-plug	Metal, CuZn, nickel-plated
Contact material, connecting-plug	Metal, CuZn, gold-plated
Contact-carrier material, connecting-plug	Plastic, PA, BK
Mechanical life-cycle, connecting-plug	>100 mating cycles
Number of pins, connecting-plug	19
Degree of protection, connecting-plug (mounted)	IP65, IP67
Degree of pollution	3

#### Allocation chart

I/O	1		2		3		4		5		6		all (+)	all (-)	all (FE)
Pin	2	4	2	4	2	4	2	4	2	4	2	4	1	3	5
M23	7	15	4	5	8	16	14	3	9	17	13	2	19	6	12
Cable (19.003) Accessories	GYPK	WH	RDBU	GN	WHGN	YE	BNGN	GY	WHYE	BK	YEBN	RD	BN	BU	GNYE

#### Classification

eCl@ss 6.0	27279219
eCl@ss 7.0	27279219
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585

#### Accessories

Screw plug, M12 <a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8000004">https://www.escha.net/en/products/standard/accessories-for-connectivity/8000004</a>
Labels, I/O-junction passive, I/O-junction active <a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/8015002">https://www.escha.net/en/products/standard/accessories-for-connectivity/8015002</a>
Single-ended cordset, M23 <a href="https://www.escha.net/en/products/standard/sensoractuator-connectors/8017221">https://www.escha.net/en/products/standard/sensoractuator-connectors/8017221</a>
Single-ended cordset, M23 <a href="https://www.escha.net/en/products/standard/sensoractuator-connectors/8017111">https://www.escha.net/en/products/standard/sensoractuator-connectors/8017111</a>
Field-wireable connector, M23, Soldering contact <a href="https://www.escha.net/en/products/standard/field-wireable-connectors/8013696">https://www.escha.net/en/products/standard/field-wireable-connectors/8013696</a>
Field-wireable connector, M23, Soldering contact <a href="https://www.escha.net/en/products/standard/field-wireable-connectors/8017151/m23-female-angled-field-wireable-19-poles-soldering-contact-125v">https://www.escha.net/en/products/standard/field-wireable-connectors/8017151/m23-female-angled-field-wireable-19-poles-soldering-contact-125v</a>

#### Link to product

<https://www.escha.net/en/products/standard/io-junctions/8045896>