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Sensor/actuator cable, 8-position, PE-X/PE-X halogen-free, black-gray RAL 7021, shielded, Plug straight M12, A-coded, on free cable end, cable length: 5 m, for outdoor applications, with high-grade steel knurl

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- ☑ Corrosion protection for all exposed metal parts, thanks to the use of stainless steel type 1.4404
- ☑ Robust throughout: resistant to oil, UV, and ozone, withstands temperatures from -40°C to +105°C
- Reliable signal transmission 360° shielding in environments with electromagnetic interference

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 773980
GTIN	4046356773980
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	5 m
Ambient conditions	
Ambient temperature (operation)	-40 °C 105 °C (Plug / socket)
	-40 °C 85 °C (On sudden changes in temperature (according to IEC 60512-11-4))
Degree of protection	IP65
	IP67

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IP68

Technical data

Ambient conditions

	IP69K
General	
Rated current at 40°C	2 A
Rated voltage	30 V AC
	30 V DC
Number of positions	8
Insulation resistance	\geq 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Protective circuit/component	Unwired
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 connector)
Material	
Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PP
Material of grip body	PP
Material, knurls	Stainless steel
Standards and Regulations	
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	VO
Cable	
Cable type	PE-X black
Cable type (abbreviation)	28X
Cable abbreviation	Li2X2X-C-V1-2X
Conductor cross section	8x 0.25 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
Thickness, insulation	approx. 0.25 mm (Core insulation)



Technical data

Cable

Overall twist 8 wires around filer to the core Length of twist, overall twist 67 mm Shielding Braided copper wires Optical shield covering 85 % External sheath, color black-gray RAL 7021 Inner sheath thickness approx. 0.5 mm Outer sheath thickness approx. 0.7 mm Outer sheath thickness approx. 0.7 mm Minimum berding radius, fixed installation 5 x D Number of bending cycles 100x000 Minimum berding radius, fixed installation 10 x D Traversing raft 10 m Traversing raft 3 m/s Acceleration 10 m/s ⁴ Acceleration 10 m/s ⁴ Acceleration 10 m/s ⁴ Material, filler PP yam Material, filler PP yam Material, filler Stop (Core-core) Approx. 80 pF (core-core) approx. 80 pF (core-core) Material, conductor insulation 2 3000 VAC Noring capacitance 3 3000 VAC (Spark test) Test voltage, cable 30000 VAC (Spark test) <	Wire colors	white, brown, green, yellow, gray, pink, blue, red
Shielding Braided copper wires Oplical shield covering 85 % External sheath, color black-gray RAL, 7021 Inner sheath thickness approx. 0.5 mm Outer sheath thickness approx. 0.7 mm Outer sheath thickness approx. 0.7 mm Minimum bending radius, fixed installation 5 x D Minimum bending radius, fixed installation 10 x D Number of bending cycles 1000000 Minimum bending radius, drag chain applications 10 x D Traversing rate 3 m/s Acceleration 10 ml Traversing rate 3 m/s Acceleration 10 ml/s ⁴ Outer sheath, material PE-X Material, filler PP yarn Material, filler PP yarn Conductor insulation 278 0/km (at 20 °C) Conductor insulation 278 0/km (at 20 °C) Conductor insulation 278 0/km (at 20 °C) Conductor rasistance 2100 M/k [*] m (at 20 °C) Conductor rasistance 3000 VAC Test voltage, cable 3000 VAC Spool V	Overall twist	8 wires around filler to the core
Optical shield covering 85 % External sheath, color black-gray RAL 7021 Inner sheath thickness approx. 0.5 mm Outer sheath thickness approx. 0.7 mm External cable diameter D 7.25 mm 30.3 mm Minimum bending radius, fixed installation 5 x D Minimum bending radius, fixed installation 10 x D Number of bending cycles 1000000 Minimum bending radius, fixed installation 10 x D Traversing rate 3 m/s Acceleration 10 m/s ² Cable weight 81 kg/km Outer sheath, filler PE-X Material conductor insulation PE-X Material, filler PP yarn Material conductor insulation PE-X Conductor material Bare Cu litz wires Insulation resistance 2 100 MΩ'km (at 20 'C) Conductor resistance 3 R0 QU Cy (Spark test) Valage, cable 2 3000 V AC Norinal voltage, cable 2 3000 V AC Special properties Inductance approx. 0.48 mH/km Test voltage, Carle 2 3000 V AC <	Length of twist, overall twist	67 mm
External sheath, color black-gray RAL 7021 Inner sheath thickness approx. 0.5 mm Outer sheath thickness approx. 0.7 mm External cable diameter D 725 mm 40,3 mm Minimum bending radius, fixed installation 5 x D Minimum bending radius, fixed installation 10 x D Number of bending cycles 1000000 Minimum bending radius, drag chain applications 10 x D Traversing path 10 m Traversing path 10 m/s ² Cable weight 81 kg/km Outer sheath, material PE-X Material, filter PP yarn Material, filter PP yarn Insulation resistance 2700 V/C (core-shield) Conductor material Bare Cu litz wires Insulation resistance 2700 V/C (core-shield) Vater, 260 V/C (core-shield) 2000 V/C (Spark test) Special properties 1000 V/C (or 10 s) Special properties 1000 V/C (or 01 s) Special properties 2000 V/AC (core-shield) Nominal voltage, cable 2000 V/AC (orol 0 s) Special properties <td>Shielding</td> <td>Braided copper wires</td>	Shielding	Braided copper wires
Inner sheath thickness approx. 0.5 mm Outer sheath thickness approx. 0.7 mm External cable diameter D 7.25 mm 40,3 mm Minimum bending radius, fixed installation 5 x D Number of bending cycles 100000 Minimum bending radius, drag chain applications 10 x D Traversing path 10 m Traversing rate 3 m/s Acceleration 10 m/s ² Cable weight 81 kg/km Outer sheath, material PE-X Material, Inner sheath PE-X Material inner sheath PE-X Conductor insulation Sing Prox. 0.7 (C) Conductor insulation Sing Prox. 0.7 (C) Conductor resistance >100 M/X (at 20 °C) Conductor resistance >3000 VAC Sing Prox. 125 pF (core-shield) Sing Prox. 125 pF (co	Optical shield covering	85 %
Outer sheath thickness approx. 0.7 mm External cable diameter D 7.25 mm ±0.3 mm Minimum bending radius, fixed installation 5 × D Minimum bending radius, fixed installation 10 × D Number of bending cycles 000000 Minimum bending radius, fixed bian applications 10 × D Traversing path 10 m Traversing rate 3 m/s Acceleration 10 m/s ² Cable weight 81 kg/km Outer sheath, material PE-X Material, Inner sheath PE-X Material conductor insulation PE-X Conductor material Bare Cu litz wires Insulation resistance >700 MC*m (at 20 °C) Conductor resistance >700 MC*m (at 20 °C) Conductor resistance >3000 V AC (spark test) Test voltage, cable >3000 V AC (spark test) Test voltage, cable >3000 V AC (for 10 s) Special properties Inductance approx. 0.48 mH/km Flatence According to DIN EN 60332-1-2 According to DIN EN 60332-1-2 According to DIN EN 60332-1-2 Resistance	External sheath, color	black-gray RAL 7021
External cable diameter D 7.25 mm ±0.3 mm Minimum bending radius, fixed installation 5 x D Minimum bending radius, fixebib installation 10 x D Number of bending cycles 1000000 Minimum bending radius, drag chain applications 10 x D Traversing rate 3 m/s Acceleration 10 m/s² Cable weight 81 kg/km Outer sheath, material PE-X Material, filler PE-X Material, filler PE-X Material conductor insulation PE-X Conductor meterial Bare Cu litz wires Insulation resistance 278 0/km (at 20 °C) Conductor resistance 3000 VAC Conductor resistance 3000 VAC Staty oltage, cable 3000 VAC Special properties Inductance approx. 048 mH/km Insulation resistance 3000 VAC (for 10 s) Special properties Inductance approx. 0.48 mH/km Insulation resistance According to DIN EN 60332-1-2 Resistance to oil According to DIN EN 50267-2-1	Inner sheath thickness	approx. 0.5 mm
Minimum bending radius, fixed installation5 x DMinimum bending radius, fixeible installation10 x DNumber of bending cycles100000Minimum bending radius, drag chain applications10 x DTraversing path10 mTraversing rate3 m/sAcceleration10 m/s ⁴ Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insultationPE-XConductor materialBare Cu litz wiresInsultation resistance> 100 MO'km (at 20 °C)Conductor materialapprox. 80 pF (core-sheild)Nominal Voltage, cable> 3000 VAC (for 10 s)Test voltage, cable> 3000 VAC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmFlame resistance> 1000 VAC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmFlame resistanceAccording to DIN EN 6032-1-2According to DIN EN 5026-2-5in accordance with DIN VDE 0472 part 815Resistance to oilAccording to DIN EN 60811-2-1, 168 hat 100°C	Outer sheath thickness	approx. 0.7 mm
Minimum bending radius, flexible installation 10 x D Number of bending cycles 1000000 Minimum bending radius, drag chain applications 10 x D Traversing path 10 m Traversing rate 3 m/s Acceleration 10 m/s ² Cable weight 81 kg/km Outer sheath, material PE-X Material, linner sheath PE-X Material, filler Py ann Material conductor insulation PE-X Conductor material Bare Cu litz wires Insulation resistance 2 100 MΩ'km (at 20 °C) Conductor resistance 3 300 VAC Test voltage, cable 3 300 VAC Test voltage, cable 2 3000 VAC (Spark test) Special properties Inductance approx. 0.48 mH/km Flander Pacording to DIN EN 50267-21 Resistance to oil According to DIN EN 50267-2-1	External cable diameter D	7.25 mm ±0,3 mm
Number of bending cycles100000Minimum bending radius, drag chain applications10 x DTraversing path10 mTraversing rate3 m/sAcceleration10 m/s²Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, fillerPP yarnMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 MQ*km (at 20 °C)Conductor resistanceapprox. 80 pF (core-shield)Nominal voltage, cable≤ 300 V ACTest voltage, cable> 3000 V AC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmFlanceAccording to DIN EN 50266-2-5Halogen-freein accordance with DIN VED 6472 part 815Resistance to oilAccording to DIN EN 60831-2-1, 168 h at 100°C	Minimum bending radius, fixed installation	5 x D
Minimum bending radius, drag chain applications10 x DTraversing path10 mTraversing rate3 m/sAcceleration10 m/s²Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial, fillerPP yarnConductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 M0*km (at 20 °C)Conductor resistance< 78 Ω/km (at 20 °C)	Minimum bending radius, flexible installation	10 x D
Traversing path10 mTraversing rate3 m/sAcceleration10 m/s²Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 MΩ*km (at 20 °C)Conductor resistance< 78 Ω/km (at 20 °C)	Number of bending cycles	1000000
Traversing rate3 m/sAcceleration10 m/s²Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 MQ*km (at 20 °C)Conductor resistance< 78 Q/km (at 20 °C)	Minimum bending radius, drag chain applications	10 x D
Acceleration10 m/s ⁴ Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 MQ*km (at 20 °C)Conductor resistance< 78 Ω/km (at 20 °C)	Traversing path	10 m
Cable weight81 kg/kmOuter sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 MΩ*km (at 20 °C)Conductor resistance≤ 78 Ω/km (at 20 °C)Working capacitanceapprox. 30 pF (core-core)Nominal voltage, cable≤ 300 V ACTest voltage, cable≤ 3000 V AC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmFlame resistanceAccording to DIN EN 50266-2-5Halogen-freein accordance with DIN VDE 0472 part 815Resistance to oilAccording to DIN EN 50267-2-1	Traversing rate	3 m/s
Outer sheath, materialPE-XMaterial, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance> 100 MΩ*km (at 20 °C)Conductor resistance< 78 Ω/km (at 20 °C)	Acceleration	10 m/s ²
Material, inner sheathPE-XMaterial, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance≥ 100 MQ*km (at 20 °C)Conductor resistance≤ 78 Ω/km (at 20 °C)Conductor resistance≤ 78 Ω/km (at 20 °C)Working capacitanceapprox. 80 pF (core-core)Working capacitance≤ 300 V ACTest voltage, cable≤ 300 V ACTest voltage, cable≥ 1000 VAC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmFlame resistanceAccording to DIN EN 60332-1-2Halogen-freein accordance with DIN VDE 0472 part 815Halogen-freein accordance with DIN NDE 0472 part 815Resistance to oilAccording to DIN EN 60811-2-1, 168 h at 100°C	Cable weight	81 kg/km
Material, fillerPP yarnMaterial conductor insulationPE-XConductor materialBare Cu litz wiresInsulation resistance≥ 100 MΩ*km (at 20 °C)Conductor resistance≤ 78 Ω/km (at 20 °C)Working capacitanceaprox. 80 pF (core-core)working capacitanceaprox. 125 pF (core-shield)Nominal voltage, cable≤ 300 V ACTest voltage, cable≥ 100 V AC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmFlame resistanceAccording to DIN EN 60332-1-2Halogen-freein accordance with DIN VDE 0472 part 815Halogen-freein accordance with DIN VDE 0472 part 815Resistance to oilAccording to DIN EN 60811-2-1, 168 h at 100°C	Outer sheath, material	PE-X
Material conductor insulation PE-X Conductor material Bare Cu litz wires Insulation resistance ≥ 100 MΩ*km (at 20 °C) Conductor resistance ≤ 78 Ω/km (at 20 °C) Working capacitance approx. 80 pF (core-core) Material conductor sets and the set of the s	Material, inner sheath	PE-X
Conductor material Bare Cu litz wires Insulation resistance ≥ 100 MΩ*km (at 20 °C) Conductor resistance ≤ 78 Ω/km (at 20 °C) Working capacitance approx. 80 pF (core-core) Mominal voltage, cable ≤ 300 V AC Test voltage Core/Shield ≥ 3000 V AC (for 10 s) Special properties Inductance approx. 0.48 mH/km Flame resistance According to DIN EN 60332-1-2 Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C	Material, filler	PP yarn
Insulation resistance ≥ 100 MΩ*km (at 20 °C) Conductor resistance ≤ 78 Ω/km (at 20 °C) Working capacitance approx. 80 pF (core-core) approx. 125 pF (core-shield) approx. 125 pF (core-shield) Nominal voltage, cable ≤ 300 V AC Test voltage Core/Shield ≥ 1000 V AC (Spark test) Special properties Inductance approx. 0.48 mH/km Flame resistance According to DIN EN 6032-1-2 Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1	Material conductor insulation	PE-X
Conductor resistance ≤ 78 Ω/km (at 20 °C) Working capacitance approx. 80 pF (core-core) approx. 125 pF (core-shield) approx. 125 pF (core-shield) Nominal voltage, cable ≤ 300 V AC Test voltage, cable ≥ 3000 V AC (Spark test) Test voltage Core/Shield ≥ 1000 V AC (for 10 s) Special properties Inductance approx. 0.48 mH/km Flame resistance According to DIN EN 60332-1-2 Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1 in accordance with DIN EN 50267-2-1 Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C	Conductor material	Bare Cu litz wires
Working capacitanceapprox. 80 pF (core-core)approx. 125 pF (core-shield)Nominal voltage, cable< 300 V AC	Insulation resistance	\geq 100 MΩ*km (at 20 °C)
approx. 125 pF (core-shield)Nominal voltage, cable≤ 300 V ACTest voltage, cable≥ 3000 V AC (Spark test)Test voltage Core/Shield≥ 1000 V AC (for 10 s)Special propertiesInductance approx. 0.48 mH/kmInductance approx. 0.48 mH/kmIrradiatedFlame resistanceAccording to DIN EN 60332-1-2Halogen-freein accordance with DIN VDE 0472 part 815Inductance with DIN VDE 0472 part 815in accordance with DIN EN 50267-2-1Resistance to oilAccording to DIN EN 60811-2-1, 168 h at 100°C	Conductor resistance	\leq 78 Ω /km (at 20 °C)
Nominal voltage, cable ≤ 300 V AC Test voltage, cable ≥ 3000 V AC (Spark test) Test voltage Core/Shield ≥ 1000 V AC (for 10 s) Special properties Inductance approx. 0.48 mH/km Inductance approx. 0.48 mH/km Irradiated Flame resistance According to DIN EN 60332-1-2 Halogen-free in accordance with DIN VDE 0472 part 815 In accordance with DIN EN 50267-2-1 According to DIN EN 60811-2-1, 168 h at 100°C	Working capacitance	approx. 80 pF (core-core)
Test voltage, cable ≥ 3000 V AC (Spark test) Test voltage Core/Shield ≥ 1000 V AC (for 10 s) Special properties Inductance approx. 0.48 mH/km Inductance approx. 0.48 mH/km Irradiated Flame resistance According to DIN EN 60332-1-2 Halogen-free in accordance with DIN VDE 0472 part 815 In accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1 Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C		approx. 125 pF (core-shield)
Test voltage Core/Shield ≥ 1000 V AC (for 10 s) Special properties Inductance approx. 0.48 mH/km Inductance approx. 0.48 mH/km Irradiated Flame resistance According to DIN EN 60332-1-2 Halogen-free in accordance with DIN VDE 0472 part 815 In accordance with DIN EN 50267-2-1 in accordance with DIN EN 50267-2-1 Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C	Nominal voltage, cable	≤ 300 V AC
Special propertiesInductance approx. 0.48 mH/kmIrradiatedIrradiatedFlame resistanceAccording to DIN EN 60332-1-2According to DIN EN 50266-2-5According to DIN EN 50266-2-5Halogen-freein accordance with DIN VDE 0472 part 815Resistance to oilAccording to DIN EN 60811-2-1, 168 h at 100°C	Test voltage, cable	\geq 3000 V AC (Spark test)
IrradiatedFlame resistanceAccording to DIN EN 60332-1-2According to DIN EN 50266-2-5According to DIN EN 50266-2-5Halogen-freein accordance with DIN VDE 0472 part 815In accordance with DIN EN 50267-2-1in accordance with DIN EN 50267-2-1Resistance to oilAccording to DIN EN 60811-2-1, 168 h at 100°C	Test voltage Core/Shield	≥ 1000 V AC (for 10 s)
Flame resistanceAccording to DIN EN 60332-1-2Flame resistanceAccording to DIN EN 50266-2-5Halogen-freein accordance with DIN VDE 0472 part 815In accordance with DIN EN 50267-2-1in accordance with DIN EN 50267-2-1Resistance to oilAccording to DIN EN 60811-2-1, 168 h at 100°C	Special properties	Inductance approx. 0.48 mH/km
According to DIN EN 50266-2-5 Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1 Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C		Irradiated
Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with DIN EN 50267-2-1 Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C	Flame resistance	According to DIN EN 60332-1-2
in accordance with DIN EN 50267-2-1 Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C		According to DIN EN 50266-2-5
Resistance to oil According to DIN EN 60811-2-1, 168 h at 100°C	Halogen-free	in accordance with DIN VDE 0472 part 815
		in accordance with DIN EN 50267-2-1
According to DIN EN 50306	Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
		According to DIN EN 50306

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Technical data

Cable

Other resistance Resistance to fuels according to IEC 60811, 168 h at 70°C	
	UV resistant according to DIN VDE 0276-605
Ambient temperature (operation)	-40 °C 105 °C (cable, fixed installation)
	-15 °C 105 °C (cable, flexible installation)
	20 °C ±5 °C (cable, drag chain applications)

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram



Pin assignment M12 plug, 8-pos., A-coded, view plug side



Cable cross section

PE-X black [28X]

Circuit diagram

	r	1
1	_	WH
2	— —	BN
3	_	GN
4	— —	YE
5	-	GY
6	_	РК
7	_	BU
8	-	RD

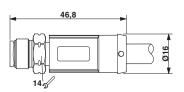
Contact assignment of the M12 plug

Classifications

eCl@ss

eCl@ss 4.0	27060306
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Dimensional drawing



Plug, M12 x 1, straight, shielded

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Classifications

eCl@ss

eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855
ETIM 6.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

DNV GL

Ex Approvals

Approval details

DNV GL	http://exchange.dnv.com/tari/	TAE00002K4

Accessories

Accessories

Screwdriver tools



Accessories

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Adapter - SAC BIT M12-W14 - 1212513



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a hexagonal knurl wrench size of 14 mm, with 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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