



Part no.: 50108601
KB IBS-30000-SA
Interconnection cable



Figure can vary

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- Technical data
- Electrical connection

Part no.: 50108601 – KB IBS-30000-SA – Interconnection cable

Technical data

Basic data	
Suitable for interface	Interbus-S
Electrical data	
Performance data	
Operating voltage	Max. 30 V AC/DC
Connection	
Connection 1	
Type of connection	Connector
Thread size	M12
Type	Male
Handle body material	PUR
No. of pins	5 -pin
Encoding	B-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking
Connection 2	
Type of connection	Open end
Cable properties	
Number of conductors	5 Piece(s)
Wire cross section	0.25 mm ²
AWG	24
Sheathing color	Violet
Shielded	Yes
Silicone-free	Yes
Cable design	Connection cable (open on one end)
Cable diameter (external)	7.5 mm
Cable length	30,000 mm
Sheathing material	PUR
Wire insulation	PP
Suitability for drag chains	Yes
Traverse rate	Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ²
Properties of the outer sheathing	Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable
Resistance of the outer sheathing	Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance and flame retardant in accordance with DIN EN 60332-1 / VDE 0482-332-1-2 / CSA FT-1
Mechanical data	
Width across flats	13 mm
Bending cycles	1,000,000 Piece(s)
Bending radius, flexible laying, min.	Min. 10 x cable diameter
Bending radius, stationary laying, min.	Min. 5 x cable diameter
Environmental data	
Ambient temperature, operation, flexible use	-25 ... 80 °C
Ambient temperature, operation, stationary use	-50 ... 80 °C

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Certifications

Degree of protection	IP 65
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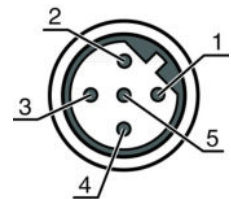
Classification

Customs tariff number	85444290
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855

Electrical connection

Connection 1	
Type of connection	Connector
Function	
Thread size	M12
Type	Male
Material	PUR
Handle body material	PUR
No. of pins	5 -pin
Encoding	B-coded
Design	Axial
Lock	Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking

Pin	Pin assignment	Conductor color
1	DATA+	Yellow
2	DATA-	Green
3	CLK+	Gray
4	CLK-	Pink
5	GND	Brown



Connection 2	
Type of connection	Open end