

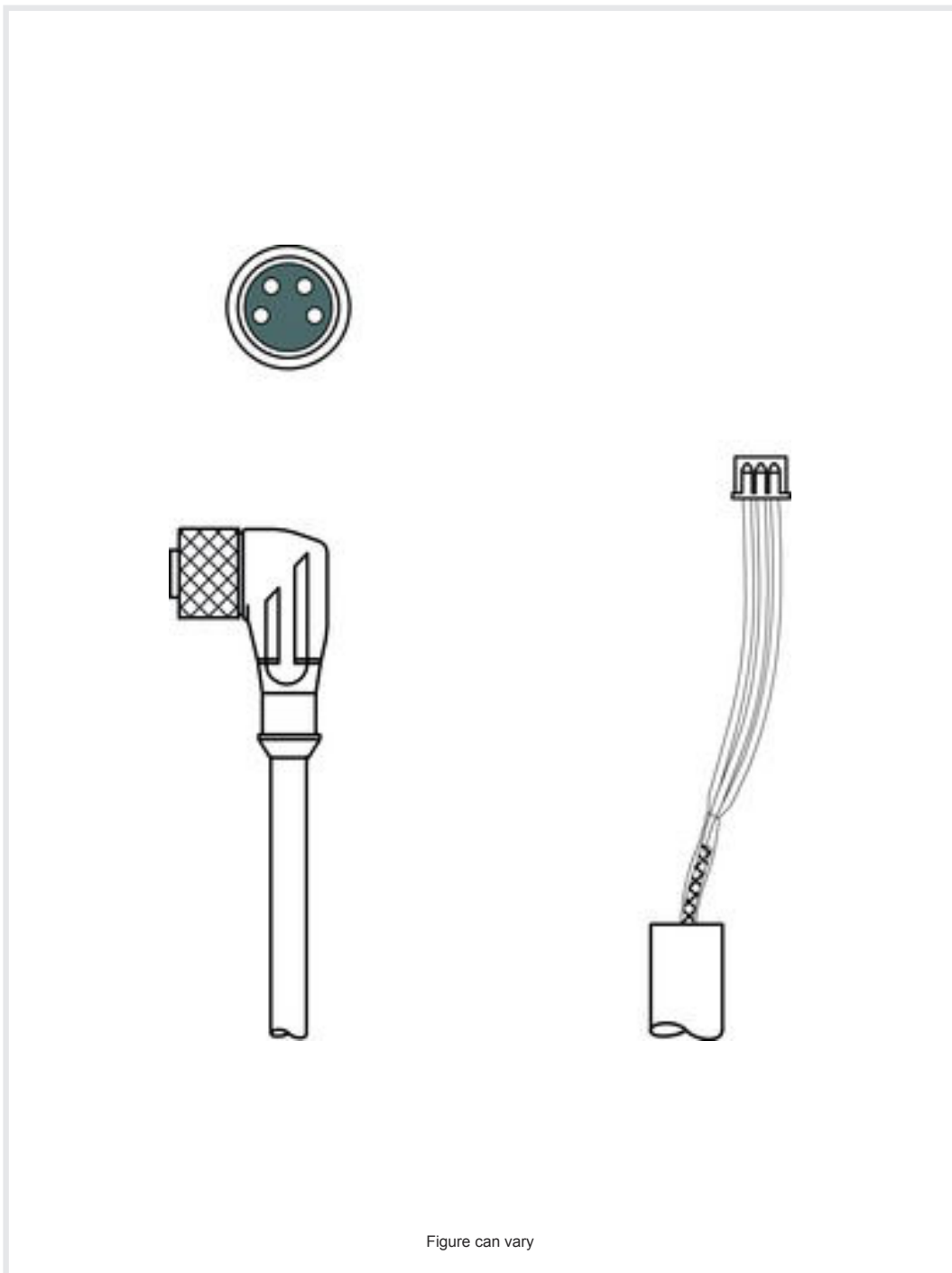
Technical data sheet Interconnection cable

Part no.: 50146941

KDS U-M8-4W-JST-4A-V1-027

Contents

- Technical data
- Electrical connection
- Circuit diagrams



Technical data

Electrical data

Performance data

Operating voltage	30 V AC/DC
Rated operating current	4,000 mA

Connection

Connection 1

Type of connection	Connector
Thread size	M8
Type	Female
No. of pins	4 -pin
Version	Angled
Lock	Screw fitting, nickel-plated brass, recommended torque 0.4 Nm, self-locking

Connection 2

Type of connection	JST PHR
No. of pins	3 -pin

Cable properties

Number of conductors	4 Piece(s)
Wire cross section	0.25 mm ²
AWG	24
Sheathing color	Black
Shielded	No
Silicone-free	Yes
Cable design	Interconnection cable
Cable diameter (external)	4.8 mm
Cable length	2,700 mm
Sheathing material	PVC
Wire insulation	PVC
Properties of the outer sheathing	Free of CFC, cadmium, silicone and lead, easily machine-processable
Resistance of the outer sheathing	Good oil, gasoline and chemical resistance, flame retardant in accordance with UL 1581 VW1 / CSA FT1

Mechanical data

Width across flats	9 mm
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	-5 ... 80 °C
Ambient temperature, operation, stationary use	-25 ... 80 °C

Certifications

Degree of protection	IP 67, Valid for M8 connector
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Classification

Customs tariff number	85444290
ECLASS 5.1.4	27279201
ECLASS 8.0	27279218
ECLASS 9.0	27060311
ECLASS 10.0	27060311
ECLASS 11.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

Electrical connection

Connection 1

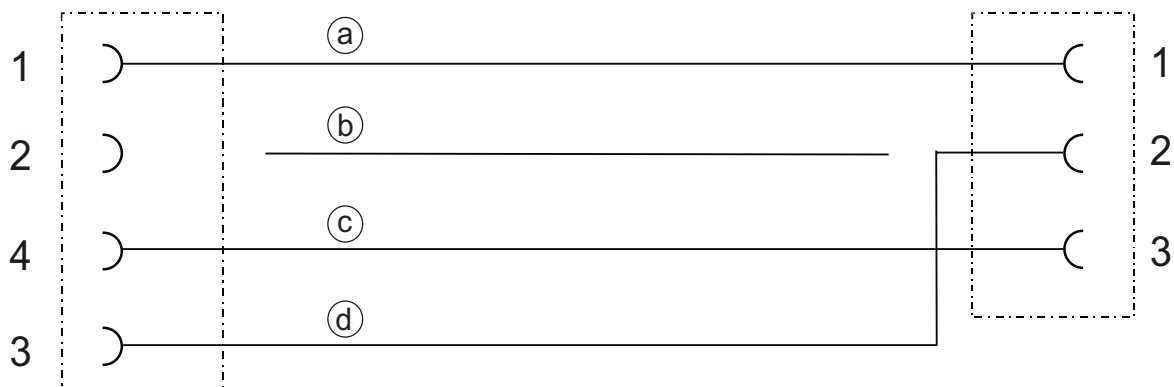
Type of connection	Connector
Thread size	M8
Type	Female
No. of pins	4 -pin
Version	Angled
Lock	Screw fitting, nickel-plated brass, recommended torque 0.4 Nm, self-locking

Connection 2

Type of connection	JST PHR
No. of pins	3 -pin

Circuit diagrams

Wiring schematic



- a Brown wire
- b White wire
- c Black wire

- d Blue wire
- 1 Connection 1, M8 socket
- 2 Connection 2, JST PHR socket