

## Product Bulletin

**PB00076****M8 5-pole B-coded Cordsets**

Ensure the lowest total cost for installation and maintenance with the industry's smallest and lightest cordsets meeting high standards for Industry 4.0 environments.



Industry-proven M8 technology delivers high performance and reliable and cost-effective connectivity in both snap and screw designs to meet your quick-install and Industrial Internet of Things (IIoT) needs.

- **Powerful** – increase power transmission with a maximum of 4 amps of current and up to 60 volts, delivering 2.5 times the standard specifications for power transmission.
- **Easy to Install** – ensure proper placement of connectors for trouble-free setup with the industry's only B-coding designed according to IEC 61076-2-104 standards M8 technology makes these cordsets one-third the size of M12 cordsets, providing easy installation in places where space is tight.
- **Optimized for Today's Compact and Intelligent Machines** – maximize the number of sensors connected to a single device with the cordsets' innovative T-splitters and deliver multiple levels of power and signal transmissions from a single device.

Designed for the IIoT, these M8 5-pole B-coded cordsets offer a robust solution to connectivity and communications requirements. The cordsets deliver greater power in a smaller, lighter size, and have both snap connections to provide fast installation and screw connections to increase protection in harsh environments.

**Be certain.**  
**Belden.**



## Benefits at a Glance

- Smaller size and lower weight
- 2½ times the power transmission of standard specifications
- Extended power range with a peak of 4 A of current and 60 V on two pins
- Foolproof mountable B-coding ensures correct placement, making it impossible to mismatch
- Snap and snap/thread connection options for quick attachment and exceptional handling characteristics
- Screw connection options provide maximum mechanical stability in harsh conditions, meeting IP69K standards for ingress protection and reducing maintenance needs
- Outstanding price/performance ratio
- Only one-stop-shop solution involving all necessary configurations for any type of field installation
- Certification according to UL 2238 standard for cable assemblies and fittings for industrial control and signal distribution

## Applications

The machine building, material handling and industrial automation industries will benefit from the product's lightweight and streamlined design, flexible options, easy installation and extended power range. The M8 5-pole B-coded cordsets facilitate transmission of power and reliable signals via a compact interface to small electronic drives and sensors, making them an ideal solution for miniature robotics applications.

The screw option provides mechanical resistance and high pressured water protection of up to IP69K, or 50 times the pressure typically seen in car tires. This makes them ideal for environments where vibration or water and oil ingress are issues, such as the machine building industry.

## Your Benefits

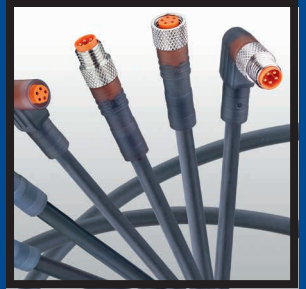
These cordsets make it easy for you to meet the highest demands for installation speed and flexibility. In just seconds, you can connect sensors, compact actuators, motors, cabinets and more. You're even able to connect the newest generation of I/O-Link sensors Class A and B.

The T-splitter accessory enables you to split signals from a single I/O block to maximize use, a feature that's especially valuable for connecting interfaces in environments where multiple end devices need to be joined in space-restricted areas. Increased current and voltage ratings, adjustable cable lengths, for preventing mismatching differentiate these cordsets from any other product available.



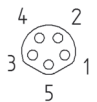
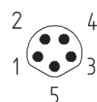
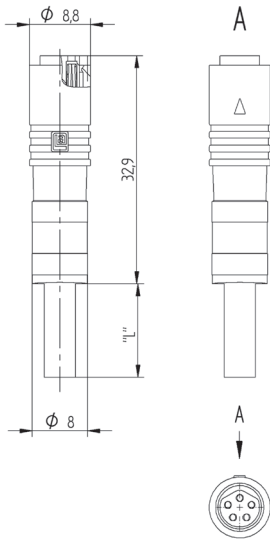
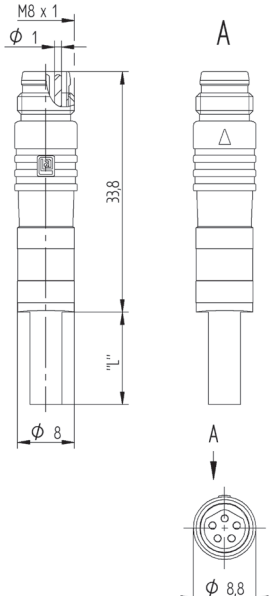
## M8 5-pole B-coded Cordsets and LioN-Power System

The M8 5-pole B-coded cordsets are available in both snap and screw connection, male and female, straight and angled, and molded and receptacle designs. They deliver the highest application flexibility on the market, especially when combined with the full Lumberg Automation LioN-Power system. Designed to meet the increasing requirements of IIoT, this system will revolutionize connectivity in industrial environments as the most robust and easy to handle solution available.

Meeting industry demand for miniaturized connectivity solutions, this system also features the increasingly popular I/O-Link functionality. Further, it enables a reduction of stock and maintenance costs due to multiprotocol I/O modules with standardized M12 Power Connectors.







































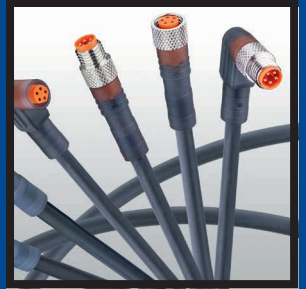
### M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Straight Female and Male with Snap-in Connection for Actuators and Sensors

Product Description		
Type	RKM 5	RSM 5
		
Description	Actuator/sensor single-ended cordset, M8 female connector, straight, with snap-in coupling and overmolded cable, 5-pin, B-coding	Actuator/sensor single-ended cordset, M8 male connector, straight, with snap-in coupling and overmolded cable, 5-pin, B-coding
RoHS (2011/65/EU)	Yes	
(Construction Type) Standard	IEC 61076-2-104	
Approvals	UL	
Technical Data		
Ambient Temperature	-40 to +90°C, mind cable temperature range	
Housing Material/Grip	TPU	
Contact Holder Material	PA	
Contact Material/Surface Finish	CuZn, gold-plated	
Screw Coupling Material	TPU (snap) / CuZn	
Mechanical Data		
Degree of Protection	IP65 (only when mated with Hirschmann/Lumberg counterparts)	
Electrical Data		
Contact Resistance	≤ 5 mΩ	
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC	
Rated Current	3 A (0.25 mm <sup>2</sup> )/4 A (0.34 mm <sup>2</sup> )	
Pollution Degree	3	
Technical Drawing		
Pin Assignment	<p>M8, female, 5-poles</p>  <p>1 = brown 2 = white 3 = blue 4 = black 5 = gray</p>	<p>M8, male, 5-poles</p>  <p>1 = brown 2 = white 3 = blue 4 = black 5 = gray</p>
Technical Drawing		

L = Standard length of cable





































**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Straight Female and Male with Snap-in Connection for Actuators and Sensors (continued)**
**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-871-001	RKM 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-871-002	RKM 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-871-003	RKM 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-871-004	RKM 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-871-005	RKM 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-871-006	RKM 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-871-007	RKM 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-871-008	RKM 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-871-009	RKM 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-871-010	RKM 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-871-011	RKM 5-293/20 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-871-012	RKM 5-293/25 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-871-013	RKM 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	 UL
934-871-014	RKM 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	 UL
934-871-015	RKM 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	 UL
934-871-016	RKM 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	 UL
934-871-017	RKM 5-507/20 M	5	PVC, black	0.25 mm <sup>2</sup>	 UL
934-871-018	RKM 5-507/25 M	5	PVC, black	0.25 mm <sup>2</sup>	 UL
934-871-019	RKM 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  UL
934-871-020	RKM 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  UL
934-871-021	RKM 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  UL
934-871-022	RKM 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  UL
934-871-023	RKM 5-506/20 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  UL
934-871-024	RKM 5-506/25 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  UL



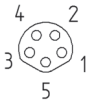
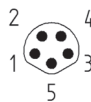
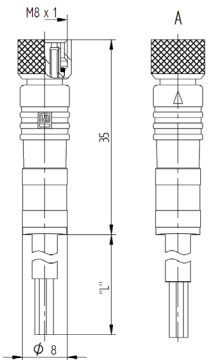
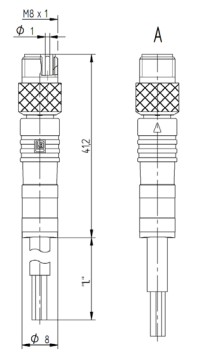


**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Straight Female and Male with Snap-in Connection for Actuators and Sensors (continued)**

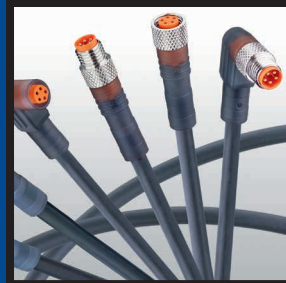
**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-876-001	RSM 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-876-002	RSM 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-876-003	RSM 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-876-004	RSM 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-876-005	RSM 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-876-006	RSM 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-876-007	RSM 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-876-008	RSM 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-876-009	RSM 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-876-010	RSM 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-876-011	RSM 5-293/20 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-876-012	RSM 5-293/25 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-876-013	RSM 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-876-014	RSM 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-876-015	RSM 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-876-016	RSM 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-876-017	RSM 5-507/20 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-876-018	RSM 5-507/25 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-876-019	RSM 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-876-020	RSM 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-876-021	RSM 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-876-022	RSM 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-876-023	RSM 5-506/20 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-876-024	RSM 5-506/25 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 

**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Straight Female and Male with Screw Coupling Nut for Actuators and Sensors**

Product Description		
Type	RKMV 5	RSMV 5
	 <b>NEW</b>	 <b>NEW</b>
Description	Actuator/sensor single ended cordset, M8 female connector, straight, with screw coupling and overmolded cable, 5-pin, B-coding	Actuator/sensor single ended cordset, M8 male connector, straight, with screw coupling and overmolded cable, 5-pin, B-coding
RoHS (2011/65/EU)	Yes	
(Construction Type) Standard	IEC 61076-2-104	
Approvals	UL	
Technical Data		
Ambient Temperature	-40 to +90°C, mind cable temperature range	
Housing Material/Grip	TPU	
Contact Holder Material	PA	
Contact Material/Surface Finish	CuZn, gold-plated	
Screw Coupling Material	CuZn, nickel-plated	
Mechanical Data		
Degree of Protection	IP65, IP67, IP69K (only with PUR control line)	
Electrical Data		
Contact Resistance	≤ 10 mΩ	
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC	
Rated Current	3 A (0.25 mm <sup>2</sup> )/4 A (0.34 mm <sup>2</sup> )	
Pollution Degree	3	
Technical Drawing		
Pin Assignment	M8, female, 5-poles  1 = brown 2 = white 3 = blue 4 = black 5 = gray	M8, male, 5-poles  1 = brown 2 = white 3 = blue 4 = black 5 = gray
Technical Drawing		

L = Standard length of cable




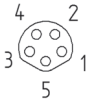
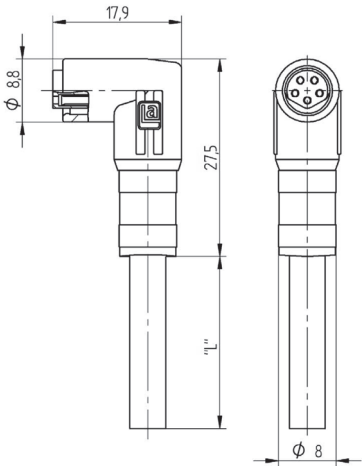
**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Straight Female and Male with Screw Coupling Nut for Actuators and Sensors (continued)**

**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-841-001	RKMV 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-841-002	RKMV 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-841-003	RKMV 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-841-004	RKMV 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-841-005	RKMV 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-841-006	RKMV 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-841-007	RKMV 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-841-008	RKMV 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	
934-841-009	RKMV 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	
934-841-010	RKMV 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	
934-841-011	RKMV 5-293/20 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	
934-841-012	RKMV 5-293/25 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	
934-841-013	RKMV 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-841-014	RKMV 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-841-015	RKMV 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-841-016	RKMV 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-841-017	RKMV 5-507/20 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-841-018	RKMV 5-507/25 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-841-019	RKMV 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	  
934-841-020	RKMV 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	
934-841-021	RKMV 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	
934-841-022	RKMV 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	
934-841-023	RKMV 5-506/20 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	
934-841-024	RKMV 5-506/25 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	
934-843-001	RSMV 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-843-002	RSMV 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-843-003	RSMV 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-843-004	RSMV 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-843-005	RSMV 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-843-006	RSMV 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-843-007	RSMV 5-293/2 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	  
934-843-008	RSMV 5-293/5 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-843-009	RSMV 5-293/10 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-843-010	RSMV 5-293/15 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-843-011	RSMV 5-293/20 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-843-012	RSMV 5-293/25 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-843-013	RSMV 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-843-014	RSMV 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-843-015	RSMV 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-843-016	RSMV 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-843-017	RSMV 5-507/20 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-843-018	RSMV 5-507/25 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-843-019	RSMV 5-506/2 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	  
934-843-020	RSMV 5-506/5 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-843-021	RSMV 5-506/10 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-843-022	RSMV 5-506/15 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-843-023	RSMV 5-506/20 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-843-024	RSMV 5-506/25 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	

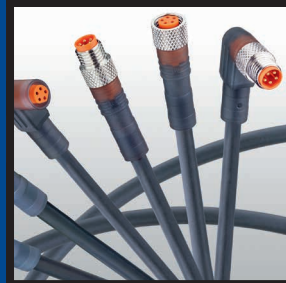


## M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Right-Angle Female with Snap-in Connection for Actuators and Sensors

Product Description	
Type	RKMW 5
	
Description	Miniature angled female connector with snap joint and molded cable, 5-pin, B-coding
RoHS (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Approvals	UL
Technical Data	
Ambient Temperature	-40 to +90°C, mind cable temperature range
Housing Material/Grip	TPU
Contact Holder Material	PA
Contact Material/Surface Finish	CuZn/Au
Mechanical Data	
Degree of Protection	IP65 (only when mated with Hirschmann/Lumberg counterparts)
Electrical Data	
Contact Resistance	≤ 5 mΩ
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC
Rated Current	3 A (0.25 mm <sup>2</sup> )/4 A (0.34 mm <sup>2</sup> )
Pollution Degree	3
Technical Drawing	
Pin Assignment	<p>M8, female, 5-poles</p>  <p>1 = brown 2 = white 3 = blue 4 = black 5 = gray</p>
Technical Drawing	
























L = Standard length of cable  
Do not connect / disconnect under load.




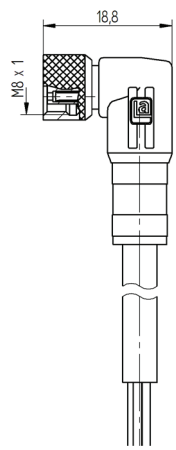


**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Right-Angle Female with Snap-in Connection for Actuators and Sensors (continued)**

**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Characteristics
934-884-001	RKMW 5-671/2 M	5	PVC jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color	 UL
934-884-002	RKMW 5-671/5 M	5	PVC jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color	 UL
934-884-003	RKMW 5-671/10 M	5	PVC jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color	 UL
934-884-004	RKMW 5-671/15 M	5	PVC jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color	 UL
934-884-005	RKMW 5-671/20 M	5	PVC jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color	 UL
934-884-006	RKMW 5-671/25 M	5	PVC jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color	 UL
934-884-007	RKMW 5-293/2 M	5	PUR jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 UL
934-884-008	RKMW 5-293/5 M	5	PUR jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 UL
934-884-009	RKMW 5-293/10 M	5	PUR jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 UL
934-884-010	RKMW 5-293/15 M	5	PUR jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 UL
934-884-011	RKMW 5-293/20 M	5	PUR jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 UL
934-884-012	RKMW 5-293/25 M	5	PUR jacket, 0.34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 UL
934-884-013	RKMW 5-507/2 M	5	PVC jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color	 UL
934-884-014	RKMW 5-507/5 M	5	PVC jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color	 UL
934-884-015	RKMW 5-507/10 M	5	PVC jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color	 UL
934-884-016	RKMW 5-507/15 M	5	PVC jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color	 UL
934-884-017	RKMW 5-507/20 M	5	PVC jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color	 UL
934-884-018	RKMW 5-507/25 M	5	PVC jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color	 UL
934-884-019	RKMW 5-506/2 M	5	PUR jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 UL
934-884-020	RKMW 5-506/5 M	5	PUR jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 UL
934-884-021	RKMW 5-506/10 M	5	PUR jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 UL
934-884-022	RKMW 5-506/15 M	5	PUR jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 UL
934-884-023	RKMW 5-506/20 M	5	PUR jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 UL
934-884-024	RKMW 5-506/25 M	5	PUR jacket, 0.25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 UL

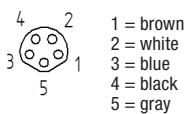
## M8 Single-Ended Overmolded Angled Female Connector, 5-Pole

Product Description	
Order Designation	RKMWV 5
	
Description	M8 single-ended, right angle miniature female connector with threaded screw joint and molded cable
Type Contact	Female
Number of Contacts	5 Pole
Standard	IEC 61076-2-104
Construction Type	MF, B-coded
Technical Data	
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC
Rated Current	3 A (0.25 mm <sup>2</sup> ) / 4 A (0.34 mm <sup>2</sup> ) / UL: 3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Environmental Conditions	
Protection Class (IEC 60529)	IP65, IP67, IP69K (only with PUR control line)
Temperature Range (connector)	-40°C to +90°C, notice derating
Technical Drawing	
	

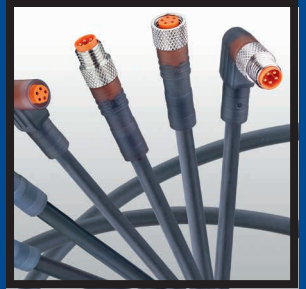
L = Standard length of control line

### Pin Assignment

#### M8-5-pin



























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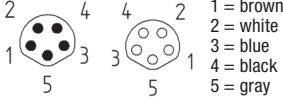
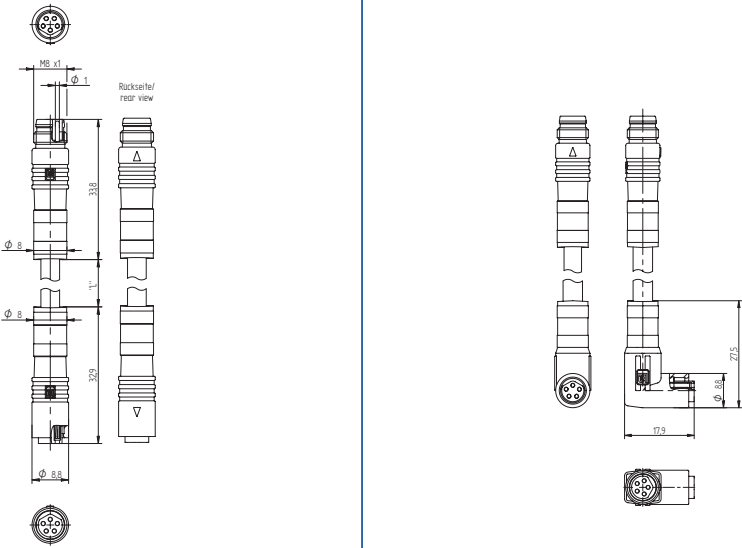


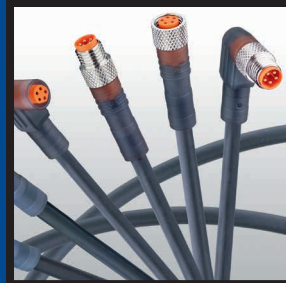
## M8 Single-Ended Overmolded Angled Female Connector, 5-Pole

### Order Information

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-842-001	RKMWV 5-671/2 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-002	RKMWV 5-671/5 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-003	RKMWV 5-671/10 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-004	RKMWV 5-671/15 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-005	RKMWV 5-671/20 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-006	RKMWV 5-671/25 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-007	RKMWV 5-293/2 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-008	RKMWV 5-293/5 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-009	RKMWV 5-293/10 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-010	RKMWV 5-293/15 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-011	RKMWV 5-293/20 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-012	RKMWV 5-293/25 M	5	PUR, black	0.34 mm <sup>2</sup>	 UL
934-842-013	RKMWV 5-507/2 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-014	RKMWV 5-507/5 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-015	RKMWV 5-507/10 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-016	RKMWV 5-507/15 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-017	RKMWV 5-507/20 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-018	RKMWV 5-507/25 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-019	RKMWV 5-506/2 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-020	RKMWV 5-506/5 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-021	RKMWV 5-506/10 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-022	RKMWV 5-506/15 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-023	RKMWV 5-506/20 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL
934-842-024	RKMWV 5-506/25 M	5	PUR, black	0.25 mm <sup>2</sup>	 UL

**M8 5-Pole, B-coding Double-Ended Overmolded Cordsets, Straight and Right Angle, Male to Female for Actuators and Sensors**

Product Description	
Type	RSM 5-RKM 5
	
	
Description	Double ended cordset for sensor/actuator applications combining M8 male, straight, 5 pin, with snap/screw (fixed) attachment and M8 female, straight, 5-pin with snap attachment
RoHS (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Approvals	UL
Technical Data	
Ambient Temperature	-40 to +90°C, mind cable temperature range
Housing Material/Grip	TPU
Contact Holder Material	PA
Contact Material/Surface Finish	CuZn, gold-plated
Screw Coupling Material	RSM 5: CuZn nickel-plated (screw), PA (snap) RKM 5: TPU (snap)
Mechanical Data	
Degree of Protection	IP65, IP67 (only when mated with Hirschmann/Lumberg counterparts / IP67 only when screwed)
Electrical Data	
Contact Resistance	≤ 10 mΩ
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC
Rated Current	3 A (0.25 mm <sup>2</sup> )/4 A (0.34 mm <sup>2</sup> )
Pollution Degree	3
Technical Drawing	
Pin Assignment	M8, Male and Female, 5-poles  1 = brown 2 = white 3 = blue 4 = black 5 = gray
Technical Drawing	
















































**M8 5-Pole, B-coding Double-Ended Overmolded Cordsets, Straight and Right Angle, Male to Female for Actuators and Sensors (continued)**

**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-894-001	RSM 5-RKM 5-671/0.3 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-002	RSM 5-RKM 5-671/0.6 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-003	RSM 5-RKM 5-671/1 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-004	RSM 5-RKM 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-005	RSM 5-RKM 5-671/3 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-006	RSM 5-RKM 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-007	RSM 5-RKM 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-008	RSM 5-RKM 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-894-009	RSM 5-RKM 5-507/0.3 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-010	RSM 5-RKM 5-507/0.6 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-011	RSM 5-RKM 5-507/1 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-012	RSM 5-RKM 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-013	RSM 5-RKM 5-507/3 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-014	RSM 5-RKM 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-015	RSM 5-RKM 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-016	RSM 5-RKM 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-894-017	RSM 5-RKM 5-293/0.3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-018	RSM 5-RKM 5-293/0.6 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-019	RSM 5-RKM 5-293/1 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-020	RSM 5-RKM 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-021	RSM 5-RKM 5-293/3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-022	RSM 5-RKM 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-023	RSM 5-RKM 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934-894-024	RSM 5-RKM 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  

































































**M8 5-Pole, B-coding Double-Ended Overmolded Cordsets, Straight and Right Angle, Male to Female for Actuators and Sensors**
**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-894-025	RSM 5-RKM 5-506/0.3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-026	RSM 5-RKM 5-506/0.6 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-027	RSM 5-RKM 5-506/1 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-028	RSM 5-RKM 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-029	RSM 5-RKM 5-506/3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-030	RSM 5-RKM 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-031	RSM 5-RKM 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-032	RSM 5-RKM 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-101	RSM 5-RKMW 5-671/0.3 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-102	RSM 5-RKMW 5-671/0.6 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-103	RSM 5-RKMW 5-671/1 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-104	RSM 5-RKMW 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-105	RSM 5-RKMW 5-671/3 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-106	RSM 5-RKMW 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-107	RSM 5-RKMW 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-108	RSM 5-RKMW 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-894-109	RSM 5-RKMW 5-507/0.3 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-110	RSM 5-RKMW 5-507/0.6 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-111	RSM 5-RKMW 5-507/1 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-112	RSM 5-RKMW 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-113	RSM 5-RKMW 5-507/3 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-114	RSM 5-RKMW 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-115	RSM 5-RKMW 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934-894-116	RSM 5-RKMW 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	 


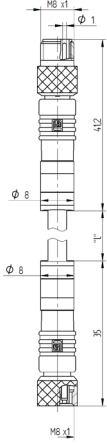


**M8 5-Pole, B-coding Double-Ended Overmolded Cordsets, Straight and Right Angle, Male to Female for Actuators and Sensors**

**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-894-117	RSM 5-RKMW 5-293/0.3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-118	RSM 5-RKMW 5-293/0.6 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-119	RSM 5-RKMW 5-293/1 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-120	RSM 5-RKMW 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-121	RSM 5-RKMW 5-293/3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-122	RSM 5-RKMW 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-123	RSM 5-RKMW 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-124	RSM 5-RKMW 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934-894-125	RSM 5-RKMW 5-506/0.3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-126	RSM 5-RKMW 5-506/0.6 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-127	RSM 5-RKMW 5-506/1 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-128	RSM 5-RKMW 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-129	RSM 5-RKMW 5-506/3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-130	RSM 5-RKMW 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-131	RSM 5-RKMW 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934-894-132	RSM 5-RKMW 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   

## M8 Double-Ended Overmolded Cordsets, 5-Pole B-coded

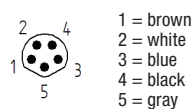
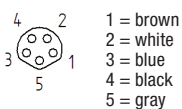
Product Description	
Order Designation	RSMV 5-RKMV 5
	
Description	M8 double-ended, molded cordset, M 8 straight male connector with threaded joint to M8 female connector with threaded joint and molded cable
Type Contact	Male to Female
Number of Contacts	5 Pole
Standard	IEC 61076-2-104
Construction Type	RSMV: LM, B-coded, RKMV: LF, B-coded
Technical Data	
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC
Rated Current	3 A (0.25 mm <sup>2</sup> ) / 4 A (0.34 mm <sup>2</sup> ) / UL: 3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Environmental Conditions	
Protection Class (IEC 60529)*	IP65, IP67, IP69K (only with PUR control line)
Temperature Range (connector)	-40°C to +90°C, notice derating
Technical Drawing	
	

L = Standard length of cable

\* only if mounted and locked in combination with Hirschmann / Lumberg connector.

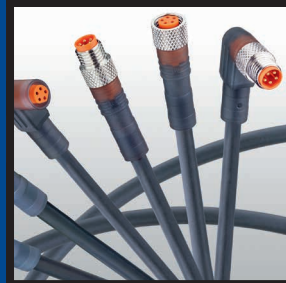
### Pin Assignment

#### M8 5-pin



































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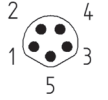
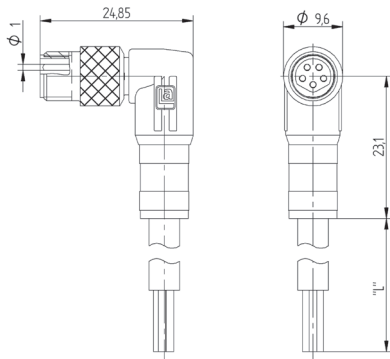


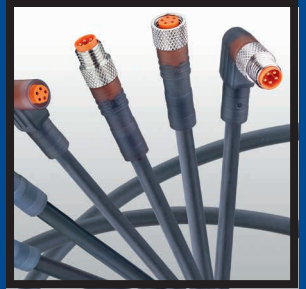
### M8 Double-Ended Overmolded Cordsets, 5-Pole B-coded

#### Order Information

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-894-201	RSMV 5-RKMV 5-671/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-202	RSMV 5-RKMV 5-671/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-203	RSMV 5-RKMV 5-671/1 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-204	RSMV 5-RKMV 5-671/2 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-205	RSMV 5-RKMV 5-671/3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-206	RSMV 5-RKMV 5-671/5 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-207	RSMV 5-RKMV 5-671/10 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-208	RSMV 5-RKMV 5-671/15 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-209	RSMV 5-RKMV 5-507/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-210	RSMV 5-RKMV 5-507/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-211	RSMV 5-RKMV 5-507/1 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-212	RSMV 5-RKMV 5-507/2 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-213	RSMV 5-RKMV 5-507/3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-214	RSMV 5-RKMV 5-507/5 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-215	RSMV 5-RKMV 5-507/10 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-216	RSMV 5-RKMV 5-507/15 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-217	RSMV 5-RKMV 5-293/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-218	RSMV 5-RKMV 5-293/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-219	RSMV 5-RKMV 5-293/1 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-220	RSMV 5-RKMV 5-293/2 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-221	RSMV 5-RKMV 5-293/3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-222	RSMV 5-RKMV 5-293/5 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-223	RSMV 5-RKMV 5-293/10 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-224	RSMV 5-RKMV 5-293/15 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-894-225	RSMV 5-RKMV 5-506/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-226	RSMV 5-RKMV 5-506/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-227	RSMV 5-RKMV 5-506/1 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-228	RSMV 5-RKMV 5-506/2 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-229	RSMV 5-RKMV 5-506/3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-230	RSMV 5-RKMV 5-506/5 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-231	RSMV 5-RKMV 5-506/10 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-894-232	RSMV 5-RKMV 5-506/15 M	5	PUR, black	0.25 mm <sup>2</sup>	









**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Right-Angle Male with Screw Coupling for Actuators and Sensors**

Product Description	
Type	RSMWV 5
	
Description	Actuator/sensor single ended cordset, M8 male connector, angled, with screw coupling and overmolded cable, 5-pin, B-coding
RoHS (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Approvals	UL
Technical Data	
Ambient Temperature	-40 to +90°C, mind cable temperature range
Housing Material/Grip	TPU
Contact Holder Material	PA
Contact Material/Surface Finish	CuZn, gold-plated
Screw Coupling Material	CuZn, nickel-plated
Mechanical Data	
Degree of Protection	IP65, IP67, IP69K (only when mated with Hirschmann/Lumberg counterparts / IP69K only with PUR control line)
Electrical Data	
Contact Resistance	≤ 10 mΩ
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC
Rated Current	3 A (0.25 mm <sup>2</sup> )/4 A (0.34 mm <sup>2</sup> )
Pollution Degree	3
Technical Drawing	
Pin Assignment	M8, male, 5-poles  <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = white</li> <li>3 = blue</li> <li>4 = black</li> <li>5 = gray</li> </ul>
Technical Drawing	



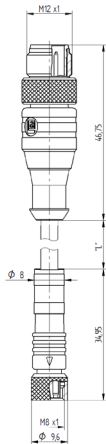
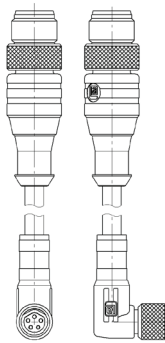


**M8 5-Pole, B-coding Single-Ended Overmolded Cordsets, Right-Angle Male with Screw Coupling for Actuators and Sensors (continued)**

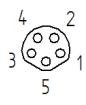
**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-844-001	RSMWV 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-002	RSMWV 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-003	RSMWV 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-004	RSMWV 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-005	RSMWV 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-006	RSMWV 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-007	RSMWV 5-293/2 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	  
934-844-008	RSMWV 5-293/5 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-844-009	RSMWV 5-293/10 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-844-010	RSMWV 5-293/15 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-844-011	RSMWV 5-293/20 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-844-012	RSMWV 5-293/25 M	5	PUR, Halogen free, black	0.34 mm <sup>2</sup>	
934-844-013	RSMWV 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-844-014	RSMWV 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-844-015	RSMWV 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-844-016	RSMWV 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-844-017	RSMWV 5-507/20 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-844-018	RSMWV 5-507/25 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-844-019	RSMWV 5-506/2 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	  
934-844-020	RSMWV 5-506/5 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-844-021	RSMWV 5-506/10 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-844-022	RSMWV 5-506/15 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-844-023	RSMWV 5-506/20 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	
934-844-024	RSMWV 5-506/25 M	5	PUR, Halogen free, black	0.25 mm <sup>2</sup>	

**M12-M8 Double-Ended Overmolded Cordsets, 5-Pole**

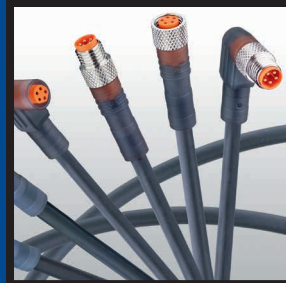
Product Description		
Order Designation	RST 5-RKMV 5	RST 5-RKMVW 5
		
Description	M12 to M8 double-ended, molded cordset, M12 straight male connector with self-locking threaded joint to M8 straight female connector with screw joint and molded cable	M12 to M8 double-ended, molded cordset, M12 straight male connector with self-locking threaded joint to M8 right angle female connector with screw joint and molded cable
Type Contact	Male to Female	Male to Female
Number of Contacts	5 Pole	
Standard	IEC 61076-2-101 / IEC 61076-2-104	
Construction Type	RST: LM, RKMV: LF, B-coded	RST: LM, RKMVW: MF, B-coded
Technical Data		
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC	
Rated Current	3 A (0.25 mm <sup>2</sup> ) / 4 A (0.34 mm <sup>2</sup> )	
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)	
Environmental Conditions		
Protection Class (IEC 60529)	IP65, IP67, IP69K (only with PUR control line)	
Temperature Range (connector)	-40°C to +90°C, notice derating	
Technical Drawing		
		

L = Standard length of cable

**Pin Assignment**
**5-pin**
**M8-RST**
**M12-RKM(W)V**

 1 = brown  
 2 = white  
 3 = blue  
 4 = black  
 5 = gray

















































 1 = brown  
 2 = white  
 3 = blue  
 4 = black  
 5 = gray

Continued Next Page



































### M12-M8 Double-Ended Overmolded Cordsets, 5-Pole

#### Order Information

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-898-129	RST 5-RKMWV 5-671/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-130	RST 5-RKMWV 5-671/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-131	RST 5-RKMWV 5-671/1 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-132	RST 5-RKMWV 5-671/2 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-133	RST 5-RKMWV 5-671/3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-134	RST 5-RKMWV 5-671/5 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-135	RST 5-RKMWV 5-671/10 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-136	RST 5-RKMWV 5-671/15 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-137	RST 5-RKMWV 5-507/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-138	RST 5-RKMWV 5-507/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-139	RST 5-RKMWV 5-507/1 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-140	RST 5-RKMWV 5-507/2 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-141	RST 5-RKMWV 5-507/3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-142	RST 5-RKMWV 5-507/5 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-143	RST 5-RKMWV 5-507/10 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-144	RST 5-RKMWV 5-507/15 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-145	RST 5-RKMWV 5-293/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-146	RST 5-RKMWV 5-293/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-147	RST 5-RKMWV 5-293/1 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-148	RST 5-RKMWV 5-293/2 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-149	RST 5-RKMWV 5-293/3 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-150	RST 5-RKMWV 5-293/5 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-151	RST 5-RKMWV 5-293/10 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-152	RST 5-RKMWV 5-293/15 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-153	RST 5-RKMWV 5-506/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-154	RST 5-RKMWV 5-506/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-155	RST 5-RKMWV 5-506/1 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-156	RST 5-RKMWV 5-506/2 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-157	RST 5-RKMWV 5-506/3 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-158	RST 5-RKMWV 5-506/5 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-159	RST 5-RKMWV 5-506/10 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-160	RST 5-RKMWV 5-506/15 M	5	PUR, black	0.25 mm <sup>2</sup>	 


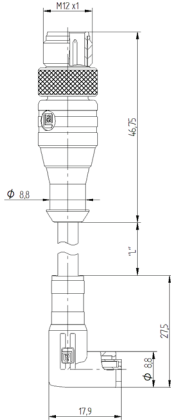
## M12-M8 Double-Ended Overmolded Cordsets, 5-Pole

### Order Information

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-898-097	RST 5-RKMV 5-671/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-098	RST 5-RKMV 5-671/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-099	RST 5-RKMV 5-671/1 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-100	RST 5-RKMV 5-671/2 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-101	RST 5-RKMV 5-671/3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-102	RST 5-RKMV 5-671/5 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-103	RST 5-RKMV 5-671/10 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-104	RST 5-RKMV 5-671/15 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-105	RST 5-RKMV 5-507/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-106	RST 5-RKMV 5-507/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-107	RST 5-RKMV 5-507/1 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-108	RST 5-RKMV 5-507/2 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-109	RST 5-RKMV 5-507/3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-110	RST 5-RKMV 5-507/5 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-111	RST 5-RKMV 5-507/10 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-112	RST 5-RKMV 5-507/15 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-113	RST 5-RKMV 5-293/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-114	RST 5-RKMV 5-293/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-115	RST 5-RKMV 5-293/1 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-116	RST 5-RKMV 5-293/2 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-117	RST 5-RKMV 5-293/3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-118	RST 5-RKMV 5-293/5 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-119	RST 5-RKMV 5-293/10 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-120	RST 5-RKMV 5-293/15 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-121	RST 5-RKMV 5-506/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-122	RST 5-RKMV 5-506/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-123	RST 5-RKMV 5-506/1 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-124	RST 5-RKMV 5-506/2 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-125	RST 5-RKMV 5-506/3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-126	RST 5-RKMV 5-506/5 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-127	RST 5-RKMV 5-506/10 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-128	RST 5-RKMV 5-506/15 M	5	PUR, black	0.25 mm <sup>2</sup>	



### M12-M8 Double-Ended Overmolded Cordsets, 5-Pole

Product Description	
Order Designation	RST 5-RKMW 5
	
Description	M12 to M8 double-ended, molded cordset, M12 straight male connector with self-locking threaded joint to M8 right angle female connector with snap joint and molded cable
Type Contact	Male to Female
Number of Contacts	5 Pole
Standard	IEC 61076-2-101 / IEC 61076-2-104
Construction Type	RST: LM, RKMW: QF, B-coded
Technical Data	
Operating Voltage	50 V AC / 60 V DC; UL: 30 V AC/DC
Rated Current	3 A (0.25 mm <sup>2</sup> ) / 4 A (0.34 mm <sup>2</sup> ) / UL: 3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Environmental Conditions	
Protection Class (IEC 60529)	IP65, IP67, IP69K (only with PUR control line)
Temperature Range (connector)	-40°C to +90°C, notice derating
Technical Drawing	
	

L = Standard length of cable

















































### Pin Assignment

5-pin	
M8-RST	M12-RKMW
 <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = white</li> <li>3 = blue</li> <li>4 = black</li> <li>5 = gray</li> </ul>	 <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = white</li> <li>3 = blue</li> <li>4 = black</li> <li>5 = gray</li> </ul>

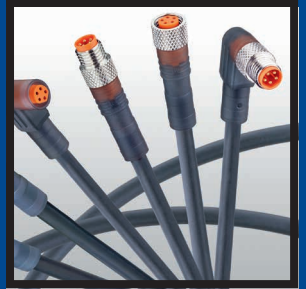
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## M12-M8 Double-Ended Overmolded Cordsets, 5-Pole

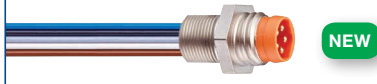
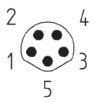
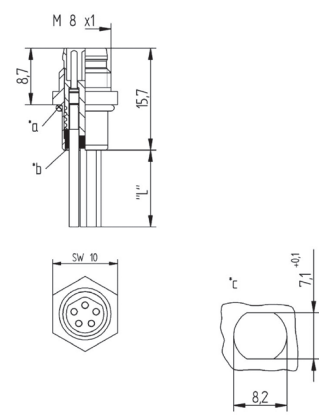
### Order Information

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-898-065	RST 5-RKMW 5-671/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-066	RST 5-RKMW 5-671/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-067	RST 5-RKMW 5-671/1 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-068	RST 5-RKMW 5-671/2 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-069	RST 5-RKMW 5-671/3 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-070	RST 5-RKMW 5-671/5 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-071	RST 5-RKMW 5-671/10 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-072	RST 5-RKMW 5-671/15 M	5	PUR, black	0.34 mm <sup>2</sup>	
934-898-073	RST 5-RKMW 5-507/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-074	RST 5-RKMW 5-507/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-075	RST 5-RKMW 5-507/1 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-076	RST 5-RKMW 5-507/2 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-077	RST 5-RKMW 5-507/3 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-078	RST 5-RKMW 5-507/5 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-079	RST 5-RKMW 5-507/10 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-080	RST 5-RKMW 5-507/15 M	5	PUR, black	0.25 mm <sup>2</sup>	
934-898-081	RST 5-RKMW 5-293/0.3 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-082	RST 5-RKMW 5-293/0.6 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-083	RST 5-RKMW 5-293/1 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-084	RST 5-RKMW 5-293/2 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-085	RST 5-RKMW 5-293/3 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-086	RST 5-RKMW 5-293/5 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-087	RST 5-RKMW 5-293/10 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-088	RST 5-RKMW 5-293/15 M	5	PUR, black	0.34 mm <sup>2</sup>	 
934-898-089	RST 5-RKMW 5-506/0.3 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-090	RST 5-RKMW 5-506/0.6 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-091	RST 5-RKMW 5-506/1 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-092	RST 5-RKMW 5-506/2 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-093	RST 5-RKMW 5-506/3 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-094	RST 5-RKMW 5-506/5 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-095	RST 5-RKMW 5-506/10 M	5	PUR, black	0.25 mm <sup>2</sup>	 
934-898-096	RST 5-RKMW 5-506/15 M	5	PUR, black	0.25 mm <sup>2</sup>	 





### M8 5-Pole, B-coding Receptacle, Front Mounting - Male



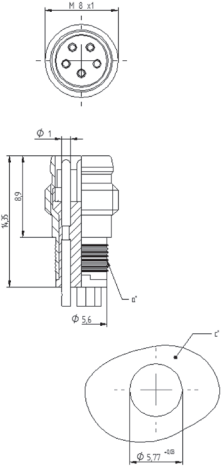
Product Description	
Order Designation	RSMF 5/0.5 M
Description	 Receptacle connector, M8 male, 5-pole, B-coded, for front mounting, assembled with stranded hook-up wire, conductor terminal area potted, M8 x 0.5 screw coupling at rear chassis side
RoHS-compliant (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Approvals	UL pending
Technical Data	
Ambient Temperature	-40°C to +90 °C
Housing Material/Grip	CuZn, nickel-plated
Contact Holder Material	PA
Contact Material/Surface Finish	CuZn, nickel underlay and gold-plated
O-Ring	FKM
Mechanical Data	
Degree of Protection	IP67 (only when mated and screwed with Hirschmann/Lumberg counterparts)
Electrical Data	
Contact Resistance	≤ 5 mΩ
Operating Voltage	30 V
Rated Current	3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Technical Drawing	
Pin Assignment	M8, Male, 5-poles  1 = brown 2 = white 3 = blue 4 = black 5 = gray
Technical Drawing	

\*a = O-ring • \*b = Terminal area potted • \*c = Panel cut out • L = Standard length of stranded hook-up wire  
 Do not connect / disconnect under load.

#### Order Information

Order No.	Order Designation	No. of Pins	Terminal Type	Conductor Size	Characteristics
934-950-001	RSMF 5/0.5 M	5	stranded hook-up wire 0.50 m	AWG 22	  

**M8 5-Pole, B-coding Receptacle for Sensors - Male with Snap/Screw Type Coupling**

Product Description	
Order Designation	RSMED 5B
	
Description	Receptacle connector, M8, 5 -pole, B-coded, male connector sensors, with combination snap/screw-type coupling
RoHS-compliant (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Technical Data	
Ambient Temperature	-40°C to +90 °C
Housing Material/Grip	CuZn, nickel-plated
Contact Holder Material	PA
Contact Material/Surface Finish	CuZn/Au
Mechanical Data	
Degree of Protection	IP65 (only when mated with Hirschmann/Lumberg counterparts) IP67 (only when mated and screwed with Hirschmann/Lumberg counterparts)
Electrical Data	
Contact Resistance	≤ 5 mΩ
Operating Voltage	30 V
Rated Current	3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Technical Drawing	
Pin Assignment	M8, Male, 5-poles  <ul style="list-style-type: none"> <li>1 = brown</li> <li>2 = white</li> <li>3 = blue</li> <li>4 = black</li> <li>5 = gray</li> </ul>
Technical Drawing	



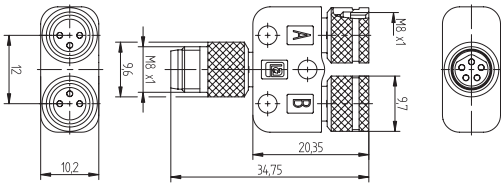
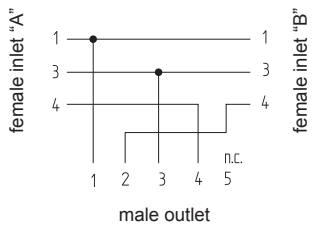
a\* = Groove Contour • \*c = Panel cut out

**Order Information**

Order No.	Order Designation	No. of Pins	Terminal Type	Conductor Size	Characteristics
934-965-001	RSMED 5B	5	Solder	0.25 mm <sup>2</sup>	  



## M8 T-Splitter

Product Description	
Order Designation	ASBS 2 M8
	
Description	T-splitter, M8 5 pin male (outlet) and two M8 3 pin female (inlets) connectors, with knurled nuts and vibration proof connections
RoHS-compliant (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Technical Data	
Ambient Temperature	-40°C to +90 °C
Housing Material/Body	TPU
Contact Holder Material	TPU/PA
Contact Material/Surface Finish	CuZn/Au
Screw Coupling Material	CuZn, nickel-plated
Mechanical Data	
Degree of Protection	IP67 (only when mated with Hirschmann/Lumberg counterparts)
Electrical Data	
Contact Resistance	≤ 5 mΩ
Operating Voltage	30 V
Rated Current	3 A
Pollution Degree	3
Technical Drawing	
Pin Assignment	<p>A / B</p> 
Technical Drawing	
Circuit Diagram	

## Order Information

Order No.	Order Designation	No. of Pins	Characteristics
934-863-001	ASBSM 2 M8 5-3	3 (inlets)5 (outlet)	  



## Belden Connectivity Center

Nowadays it is more important than ever to continuously increase the efficiency of production processes. Safe, cost-effective connectivity solutions for your machinery and plant play an important role in achieving this. Customized solutions tailored to your individual requirements enable you to substantially reduce your total cost of ownership. Thanks to the Belden Connectivity Center, the only one of its kind in the market, we are your worldwide partner when it comes to implementing such solutions, flexibly and rapidly, whether you need customized connectors and cable assemblies, or active and passive I/O modules for fieldbus or Ethernet networks – always in line with our motto “listen, understand, implement and deliver.” You will benefit both from the expertise of our knowledgeable specialists and from our extensive experience as a leading supplier of high-quality automation components. Let us utilize your challenges for our mutual success.

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