

**CONECTORES  
CIRCULARES  
M8  
5 POLOS**



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# M8 5-Pole Connectors



## Be certain. Belden.

### M8 5-Pole Connectors

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.



These cordsets make it simple and 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 with these cordsets. You're even able to connect the newest generation of I/O link sensors Class A and B.

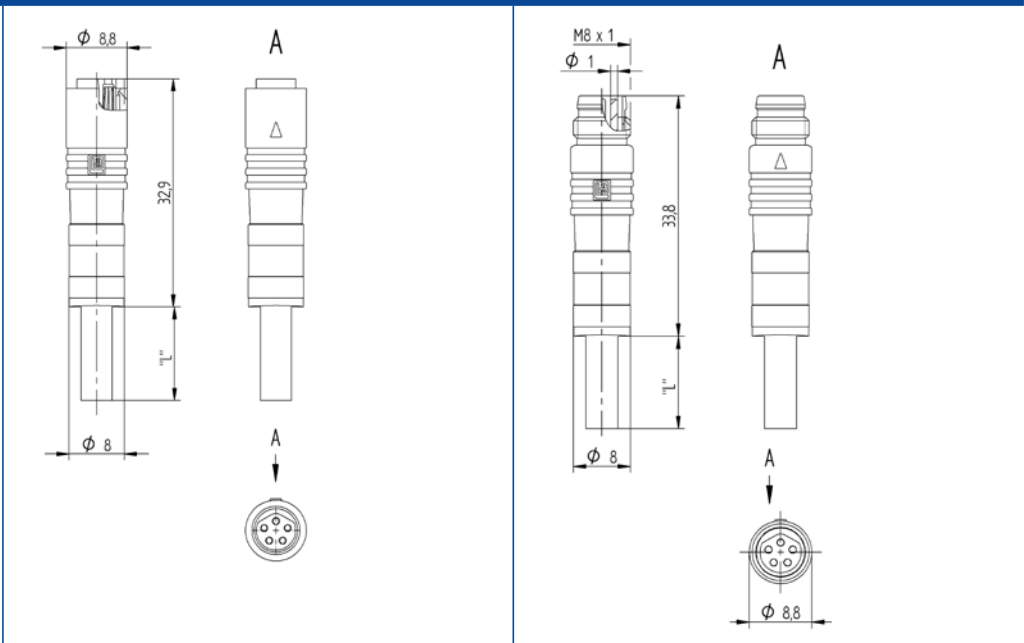
The T-splitter accessory enables you to split signals from a single I/O block to maximize use, a feature that's especially valuable for connecting interfaces in environments where multiple end devices need to be joined in space restricted areas. Increased current and voltage ratings, and adjustable cable lengths and the industry's only IEC 61076-2-104 certification for preventing mismatching differentiate these cordsets from any other product available on the market.

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, delivering 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 industry's most robust and easy to handle solution.

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

#### Technical Information

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	
Rated Voltage	50 VAC / 60 VDC; 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		







































L = Standard length of cable

#### Pin Assignment

M8, female, 5-poles	M8, male, 5-poles
 <p>1 = brown 2 = white 3 = blue 4 = black 5 = gray</p>	 <p>1 = brown 2 = white 3 = blue 4 = black 5 = gray</p>



















**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>	
934-871-002	RKM 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-871-003	RKM 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-871-004	RKM 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-871-005	RKM 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-871-006	RKM 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-871-007	RKM 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-871-008	RKM 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-871-009	RKM 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-871-010	RKM 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-871-011	RKM 5-293/20 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-871-012	RKM 5-293/25 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	 
934-871-013	RKM 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-871-014	RKM 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-871-015	RKM 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-871-016	RKM 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-871-017	RKM 5-507/20 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-871-018	RKM 5-507/25 M	5	PVC, black	0.25 mm <sup>2</sup>	
934-871-019	RKM 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-871-020	RKM 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-871-021	RKM 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-871-022	RKM 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-871-023	RKM 5-506/20 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 
934-871-024	RKM 5-506/25 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	 

Conversion table mm<sup>2</sup> to AWG on page 20.

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

### Order Information


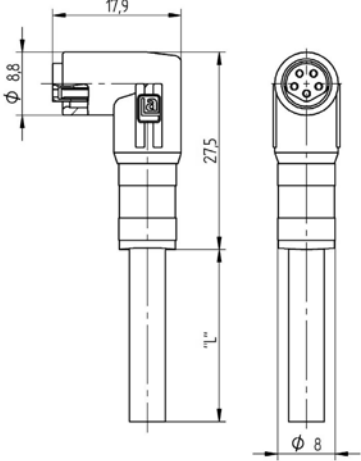
Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-876-001	RSM 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-876-002	RSM 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-876-003	RSM 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-876-004	RSM 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-876-005	RSM 5-671/20 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-876-006	RSM 5-671/25 M	5	PVC, black	0.34 mm <sup>2</sup>	 UL
934-876-007	RSM 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-876-008	RSM 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-876-009	RSM 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-876-010	RSM 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-876-011	RSM 5-293/20 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL
934-876-012	RSM 5-293/25 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  UL

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
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>	 

Conversion table mm<sup>2</sup> to AWG on page 20

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

**Technical Information**





































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
Rated Voltage	50 VAC / 60 VDC; 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	
	

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

**Pin Assignment**

M8, female, 5-poles	
	1 = brown 2 = white 3 = blue 4 = black 5 = gray

## 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	
934-884-002	RKMW 5-671/5 M	5	PVC jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color	
934-884-003	RKMW 5-671/10 M	5	PVC jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color	
934-884-004	RKMW 5-671/15 M	5	PVC jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color	
934-884-005	RKMW 5-671/20 M	5	PVC jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color	
934-884-006	RKMW 5-671/25 M	5	PVC jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color	
934-884-007	RKMW 5-293/2 M	5	PUR jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 
934-884-008	RKMW 5-293/5 M	5	PUR jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 
934-884-009	RKMW 5-293/10 M	5	PUR jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 
934-884-010	RKMW 5-293/15 M	5	PUR jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 
934-884-011	RKMW 5-293/20 M	5	PUR jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 
934-884-012	RKMW 5-293/25 M	5	PUR jacket, 0,34 mm <sup>2</sup> ca. AWG 22, black color, halogen-free	 
934-884-013	RKMW 5-507/2 M	5	PVC jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color	
934-884-014	RKMW 5-507/5 M	5	PVC jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color	
934-884-015	RKMW 5-507/10 M	5	PVC jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color	
934-884-016	RKMW 5-507/15 M	5	PVC jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color	
934-884-017	RKMW 5-507/20 M	5	PVC jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color	
934-884-018	RKMW 5-507/25 M	5	PVC jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color	
934-884-019	RKMW 5-506/2 M	5	PUR jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 
934-884-020	RKMW 5-506/5 M	5	PUR jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 
934-884-021	RKMW 5-506/10 M	5	PUR jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 
934-884-022	RKMW 5-506/15 M	5	PUR jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 
934-884-023	RKMW 5-506/20 M	5	PUR jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 
934-884-024	RKMW 5-506/25 M	5	PUR jacket, 0,25 mm <sup>2</sup> ca. AWG 24, black color, halogen-free	 

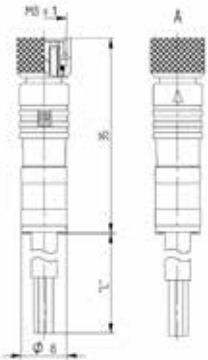
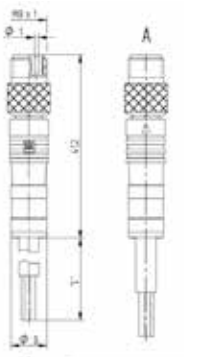
Conversion table mm<sup>2</sup> to AWG on page 20.



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

**Technical Information**

Product Description		
Order Designation	RKMV 5	RSMV 5
		
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-compliant (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)	
Electrical Data		
Contact Resistance	≤ 10 mΩ	
Rated Voltage	50 VAC / 60 VDC; 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	
	

L = Standard length of cable

**Pin Assignment**

M8, female, 5-poles	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>	 <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>


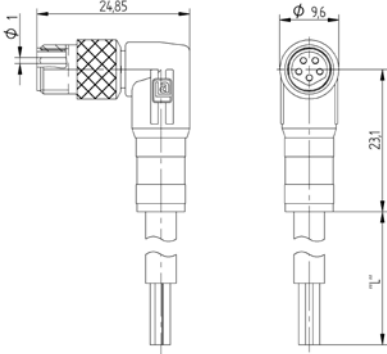
## Order Information

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>	   

Conversion table mm<sup>2</sup> to AWG on page 20.

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

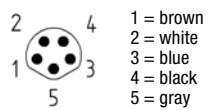
#### Technical Information

Product Description	
Order Designation	RSMWV 5
	
Description	Actuator/sensor single ended cordset, M8 male connector, angeled, with screw coupling and overmolded cable, 5-pin, B-coding
RoHS-compliant (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 STL)
Electrical Data	
Contact Resistance	≤ 10 mΩ
Rated Voltage	50 VAC / 60 VDC; 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	
	













L = Standard length of cable

#### Pin Assignment

##### M8, male, 5-poles





## Order Information

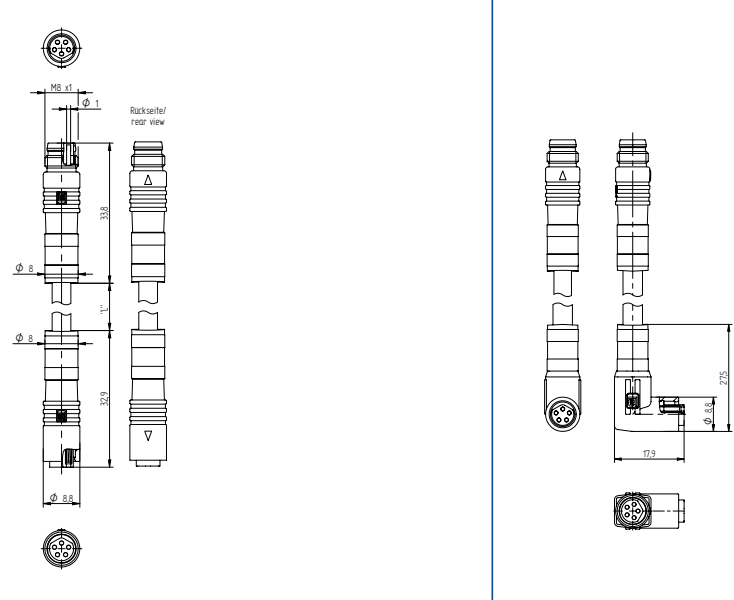
Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934-844-001	RSMWV 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	 
934-844-002	RSMWV 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-003	RSMWV 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934-844-004	RSMWV 5-671/15 M	5	PVC, 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>	

Conversion table mm<sup>2</sup> to AWG on page 20.

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



**Technical Information**

Product Description		
Order Designation	RSM 5-RKM 5	RSM 5-RKMW 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	Double ended cordset for sensor/actuator applications combining M8 male, straight, 5 pin, with snap/screw (fixed) attachment and M8 female, angled, 5-pin with snap attachment
RoHS-Compliant (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	
Rated Voltage	50 VAC / 60 VDC; 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		












L = Standard length of cable

**Pin Assignment****M8, Male and Female, 5-poles****Order Information**

































































Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934894001	RSM 5-RKM 5-671/0,3 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894002	RSM 5-RKM 5-671/0,6 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894003	RSM 5-RKM 5-671/1 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894004	RSM 5-RKM 5-671/2 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894005	RSM 5-RKM 5-671/3 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894006	RSM 5-RKM 5-671/5 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894007	RSM 5-RKM 5-671/10 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894008	RSM 5-RKM 5-671/15 M	5	PVC, black	0.34 mm <sup>2</sup>	
934894009	RSM 5-RKM 5-507/0,3 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894010	RSM 5-RKM 5-507/0,6 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894011	RSM 5-RKM 5-507/1 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894012	RSM 5-RKM 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894013	RSM 5-RKM 5-507/3 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894014	RSM 5-RKM 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894015	RSM 5-RKM 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894016	RSM 5-RKM 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	
934894017	RSM 5-RKM 5-293/0,3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894018	RSM 5-RKM 5-293/0,6 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894019	RSM 5-RKM 5-293/1 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894020	RSM 5-RKM 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894021	RSM 5-RKM 5-293/3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894022	RSM 5-RKM 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894023	RSM 5-RKM 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	  
934894024	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 (continued)

### Order Information

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934894025	RSM 5-RKM 5-506/0,3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894026	RSM 5-RKM 5-506/0,6 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894027	RSM 5-RKM 5-506/1 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894028	RSM 5-RKM 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894029	RSM 5-RKM 5-506/3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894030	RSM 5-RKM 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894031	RSM 5-RKM 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894032	RSM 5-RKM 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894101	RSM 5-RKMW 5-671/0,3 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894102	RSM 5-RKMW 5-671/0,6 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894103	RSM 5-RKMW 5-671/1 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894104	RSM 5-RKMW 5-671/2 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894105	RSM 5-RKMW 5-671/3 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894106	RSM 5-RKMW 5-671/5 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894107	RSM 5-RKMW 5-671/10 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894108	RSM 5-RKMW 5-671/15 M	5	PVC, black	0,34 mm <sup>2</sup>	 
934894109	RSM 5-RKMW 5-507/0,3 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894110	RSM 5-RKMW 5-507/0,6 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894111	RSM 5-RKMW 5-507/1 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894112	RSM 5-RKMW 5-507/2 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894113	RSM 5-RKMW 5-507/3 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894114	RSM 5-RKMW 5-507/5 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894115	RSM 5-RKMW 5-507/10 M	5	PVC, black	0.25 mm <sup>2</sup>	 
934894116	RSM 5-RKMW 5-507/15 M	5	PVC, black	0.25 mm <sup>2</sup>	 


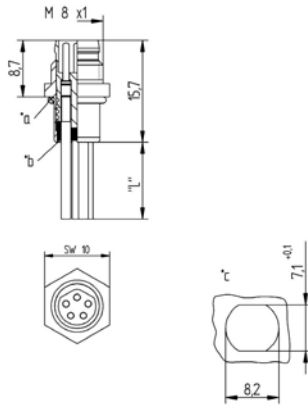
**Order Information**

Order No.	Order Designation	No. of Pins	Jacket	Conductor Size	Characteristics
934894117	RSM 5-RKMW 5-293/0,3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894118	RSM 5-RKMW 5-293/0,6 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894119	RSM 5-RKMW 5-293/1 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894120	RSM 5-RKMW 5-293/2 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894121	RSM 5-RKMW 5-293/3 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894122	RSM 5-RKMW 5-293/5 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894123	RSM 5-RKMW 5-293/10 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894124	RSM 5-RKMW 5-293/15 M	5	PUR, halogen-free, black	0.34 mm <sup>2</sup>	   
934894125	RSM 5-RKMW 5-506/0,3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894126	RSM 5-RKMW 5-506/0,6 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894127	RSM 5-RKMW 5-506/1 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894128	RSM 5-RKMW 5-506/2 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894129	RSM 5-RKMW 5-506/3 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894130	RSM 5-RKMW 5-506/5 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894131	RSM 5-RKMW 5-506/10 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   
934894132	RSM 5-RKMW 5-506/15 M	5	PUR, halogen-free, black	0.25 mm <sup>2</sup>	   

Conversion table mm<sup>2</sup> to AWG on page 20.



**M8 5-Pole, B-coding Receptacle, Front Mounting - Male****Technical Information**




Product Description	
Order Designation	RSMF 5/0,5 M
	<b>NEW!</b> 
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
Rated Voltage	30 V
Rated Current	3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Technical Drawing	
	 <p>Technical drawing showing dimensions for the M8 5-pole receptacle connector:</p> <ul style="list-style-type: none"> <li>Side view: M 8 x 1 screw, 8.7 mm height, 15.7 mm total length, 11 mm distance from base to contact holder, *a* (O-ring), *b* (terminal area potted).</li> <li>Front view: 5*ø 10 mm diameter.</li> <li>Rear view: *c* (panel cut out), 7.1 mm height, 8.2 mm width.</li> </ul>

\*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.

**Pin Assignment****M8, Male, 5-poles**


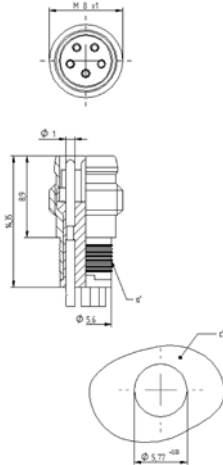
- 1 = brown
- 2 = white
- 3 = blue
- 4 = black
- 5 = gray

**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**

**Technical Information**

Product Description	
Order Designation	RSMED 5B
	<b>NEW!</b> 
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	IP 65 (only when mated with Hirschmann/Lumberg counterparts) IP 67 (only when mated and screwed with Hirschmann/Lumberg counterparts)
Electrical Data	
Contact Resistance	≤ 5 mΩ
Rated Voltage	30 V
Rated Current	3 A
Pollution Degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Technical Drawing	
	

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

**Pin Assignment****M8, Male, 5-poles**


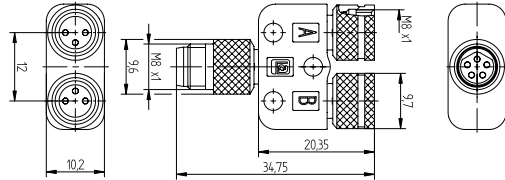
1 = brown  
2 = white  
3 = blue  
4 = black  
5 = gray

**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

### Technical Information

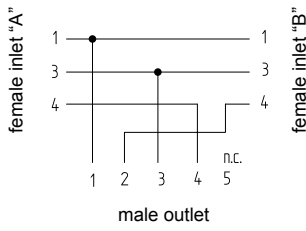
Product Description	
Order Designation	ASBS 2 M8
	<b>NEW!</b> 
Description	T-splitter, M8 5 pin male (outlet) and two M8 3 pin female (inlets) connectors, with knurled nuts and vibration proof connections
RoHS-compliant (2011/65/EU)	Yes
(Construction Type) Standard	IEC 61076-2-104
Technical Data	
Ambient 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
Rated Voltage	30 V
Rated Current	3 A
Pollution Degree	3
Technical Drawing	
	<b>ASBSM 2 M8 503</b> 

### Pin Assignment

ASBSM 2 M8 503
<p>A / B</p> 

**Circuit Diagram**

**ASBSM 2 M8 503**



**Order Information**

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