


Product information

Field Attachable M12 Connectors - Standard Type - RSC 5/7

Industrial Connecting Solutions:Circular Connectors:M8 - M12 Connectors:M12 Connectors:M12 Circular connector acc. to IEC 61076-2-101:M12 Field Attachable Connectors:Field Attachable M12




Connectors - Standard Type

https://e-catalog.hirschmann.com:443/link/57078-24228-256281-256292-256304-58429-58478-58928/en/RSCG_5-7/ui/state

Name	
Field Attachable M12 Connectors - Standard Type	
	
Field attachable connector, M12 male connector, straight version, with threaded joint, assembling with screw terminals	
Delivery informations	
Availability	available
Product description	
Type	RSC 5/7
Order No.	11590
Description	Field attachable connector, M12 male connector, straight version, with threaded joint, assembling with screw terminals
Color of housing	black
Classification	
Belden brand	Lumberg-Automation
Eclass-ID	27260702
Mechanical data	
Type of plug-in contact	Male connector
Design of housing	straight
LED display present	✘
Connectable conductor cross-section multiple wire (without sleeve)	max. 0.75 mm ²
Screw joint for cable for external cable diameter	3.0 mm ... 6.5 mm
Screwed cable gland, connecting thread	SW 15
Environmental conditions	
Environmental temperature	-25 °C ... 90 °C
Degree of protection (IP), mounted	IP67
Pollution degree	3
Materials	
Housing material / Molded body	PBT
Contact bearer material	PBT
Contact material	CuZn
Contact material - Surface refinement	pre-coppered, CuSnZn
Knurled screw / nut material	CuZn, nickel-plated
Sealing material	FKM
Electrical data	
Contact resistance	≤ 5 mΩ
Rated current I _n	4 A at 40°C, UL and notice derating
Nominal voltage	60 V
Rated voltage (Value)	63 V
Test voltage	1.5 kV eff./60 s
Insulation resistance	> 1 GΩ
Approvals	
Approvals	UL

Field Attachable M12 Connectors for Actuators and Sensors – Standard Male Connectors

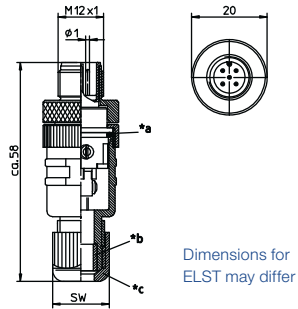
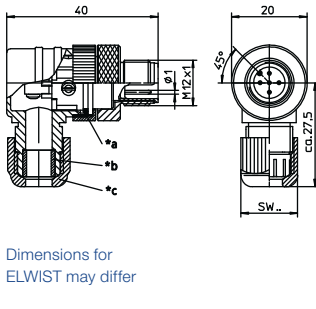
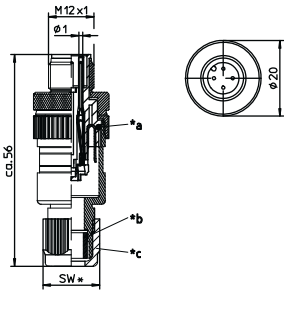
Technical Information

Product Description			
Order Designation	RSC/ELST	RSCW/ELWIST	RSCQ
			
Description	Field attachable connector, M12 male connector, straight, with screw coupling, assembly using screw-type terminals	Field attachable connector, M12 male connector, angled, with screw coupling, assembly using screw-type terminals	Field attachable connector, M12 male connector, straight, with screw coupling, assembly using spring-type terminals
RoHS-compliant (2011/65/EU)	Yes		
(Construction Type) Standard	IEC 61076-2-101		
Approvals	RSC/RSCW: UL (8-pin assembled: no UL approval) ELST/ELWIST: CSA		–

Technical Data			
Ambient Temperature	-25 °C to +90 °C		
Housing Material/Grip	PA 66		PBT
Contact Holder Material	PA 66		PBT
Contact Material/Surface Finish	CuZn, copper underlay, CuSnZn (8-pin: nickel underlay, gold-plated)		Stainless steel, silver-plated, gold-plated
Screw Coupling Material	ZnAl Cu		CuZn, nickel-plated





Mechanical Data	
Degree of Protection	IP67 (only when mated to associated counterparts)

Electrical Data		
Contact Resistance	≤ 10 mΩ	
Operating Voltage	3 to 4-pin: 230 V AC/DC, 5-pin: 50 V AC/60 V DC, 8-pin: 30 V AC/DC	3 to 4-pin: 230 V AC/DC
Rated Current	3 and 5-pin 4 A, 8-pin 2 A	4 A
Pollution Degree	3	



















Technical Drawing		
		

*a = O-ring • *b = Seal • *c = Cap nut

Pin Assignment

3-pin	4-pin	5-pin	8-pin
			
		Contact 5 leading	

Order Information

Order No.	Order Designation	No. of Pins	Terminal Type	Conductor Size	Cable Range	Characteristics
933098100	ESLT 4012 PG 7	4	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933727100	ELST 4012 K PG7	4	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933098500	ELST 4012 PG 7 Au	4	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933162100	ELST 4012 PG 9	4	screw	max. 0.75 mm ²	Ø 6.0 to 8.0 mm (AF 19)	 
933162500	ELST 4012 PG 9 Au	4	screw	max. 0.75 mm ²	Ø 6.0 to 8.0 mm (AF 19)	 
933163100	ELST 5012 PG 7	5	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933164100	ELST 5012 PG 9	5	screw	max. 0.75 mm ²	Ø 6.0 to 8.0 mm (AF 19)	 
933164500	ELST 5012 PG 9 Au	5	screw	max. 0.75 mm ²	Ø 6.0 to 8.0 mm (AF 19)	 
11576	RSC 3/7	3	screw	max. 0.75 mm ²	Ø 3.0 to 6.5 mm (AF 15)	 
11577	RSC 3/9	3	screw	max. 0.75 mm ²	Ø 4.0 to 8.0 mm (AF 19)	 
11584	RSC 4/7	4	screw	max. 0.75 mm ²	Ø 3.0 to 6.5 mm (AF 15)	 
11585	RSC 4/9	4	screw	max. 0.75 mm ²	Ø 4.0 to 8.0 mm (AF 19)	 
11590	RSC 5/7	5	screw	max. 0.75 mm ²	Ø 3.0 to 6.5 mm (AF 15)	 
11591	RSC 5/9	5	screw	max. 0.75 mm ²	Ø 4.0 to 8.0 mm (AF 19)	 
44971	RSC 8/9	8	screw	max. 0.50 mm ²	Ø 4.0 to 8.0 mm (AF 19)	
933165100	ELWIST 4012 PG 7	4	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933728100	ELWIST 4012 K PG 7	4	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933166100	ELWIST 4012 PG 9	4	screw	max. 0.75 mm ²	Ø 6.0 to 8.0 mm (AF 19)	 
933167100	ELWIST 5012 PG 7	5	screw	max. 0.75 mm ²	Ø 4.0 to 6.0 mm (AF 15)	 
933168100	ELWIST 5012 PG 9	5	screw	max. 0.75 mm ²	Ø 6.0 to 8.0 mm (AF 19)	 
11599	RSCW 3/7	3	screw	max. 0.75 mm ²	Ø 3.0 to 6.5 mm (AF 15)	 
11600	RSCW 3/9	3	screw	max. 0.75 mm ²	Ø 4.0 to 8.0 mm (AF 19)	 
11603	RSCW 4/7	4	screw	max. 0.75 mm ²	Ø 3.0 to 6.5 mm (AF 15)	 
11604	RSCW 4/9	4	screw	max. 0.75 mm ²	Ø 4.0 to 8.0 mm (AF 19)	 
11605	RSCW 5/7	5	screw	max. 0.75 mm ²	Ø 3.0 to 6.5 mm (AF 15)	 
11606	RSCW 5/9	5	screw	max. 0.75 mm ²	Ø 4.0 to 8.0 mm (AF 19)	 
44994	RSCW 8/9	8	screw	max. 0.50 mm ²	Ø 4.0 to 8.0 mm (AF 19)	
71306	RSCQ 3/7	3	spring	0.14 to 0.50 mm ² , 0.14 mm ² with ferrule	Ø 3.0 to 6.5 mm (AF 15)	
71307	RSCQ 3/9	3	spring	0.14 to 0.50 mm ² , 0.14 mm ² with ferrule	Ø 4.0 to 8.0 mm (AF 19)	
58838	RSCQ 4/7	4	spring	0.14 to 0.50 mm ² , 0.14 mm ² with ferrule	Ø 3.0 to 6.5 mm (AF 15)	
69225	RSCQ 4/9	4	spring	0.14 to 0.50 mm ² , 0.14 mm ² with ferrule	Ø 4.0 to 8.0 mm (AF 19)	

Conversion table mm² to AWG on page 20.

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