

**M8 Field Attachable Connectors**

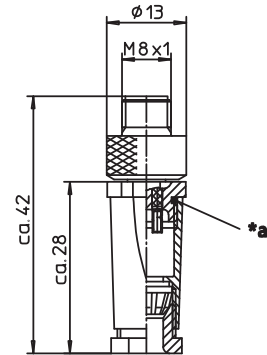
RSMC | RKMC



**Male, 3- and 4-Pole**

Field attachable connector, M8 male connector 3- and 4-pole with threaded joint, assembling with solder connections.

RSMC



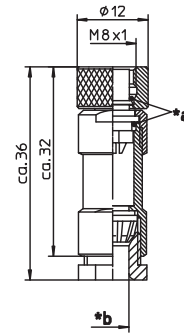
\*a O-Ring



**Female, 3- and 4-Pole**

Field attachable connector, M8 Female connector 3- and 4-pole with threaded joint, assembling with solder connections.

RKMC



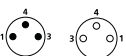
\*a O-Ring  
\*b Screw joint for cable



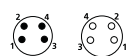
**Pin Assignments**

Face Views / M12, Male / Female

**3 pole**



**4 pole**





# Be Certain with Belden

## M8 Field Attachable Connectors

RSMC | RKMC

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range RSMC: -25°C (-13°F) / +80°C (+176°F)  
 RKMC: -40°C (-40°F) / +85°C (+185°F)

#### Mechanical

Housing / Molded body RSMC: CuZn, nickel-plated  
 RKMC: PBT  
 Insert PA  
 Contact RSMC: CuZn, pre-nickeled and 0.8 microns gold-plated  
 RKMC: CuSn, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM (only RKMC)  
 Mode of connection Solder connection  
 Connectable conductor RSMC: max. 0.34mm<sup>2</sup>  
 RKMC: max. 0.25 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 3 poles 60 V  
 4 poles 30 V  
 Rated voltage 3 poles 63 V  
 4 poles 36 V  
 Test voltage RSMC:  
 3 poles 1.5 kV eff. / 60 s  
 4 poles 0.8 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Female</b>		
RSMC 3	RKMC 3	3	Ø 3.5-5.0 mm
RSMC 4	RKMC 4	4	Ø 3.5-5.0 mm



**M8 Field Attachable Connectors**

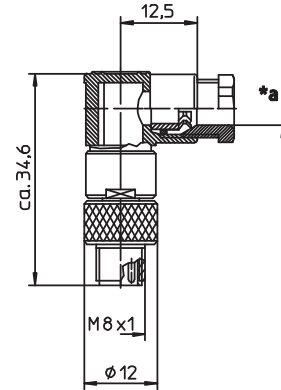
RSMCW | RKM CW



**Male, 3- and 4-Pole**

Field attachable connector, M8 male right angle connector, 3- and 4-pole with threaded joint, assembling with solder connections.

RSMCW



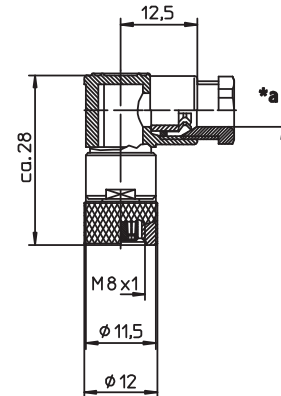
\*a O-Ring  
\*b Screw joint for cable



**Female, 3- and 4-Pole**

Field attachable connector, M8 female right angle connector 3- and 4-pole with threaded joint, assembling with solder connections.

RKM CW

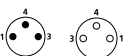


\*a O-Ring  
\*b Screw joint for cable

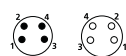
**Pin Assignments**

Face Views / M12, Male / Female

**3 pole**



**4 pole**





Be Certain with Belden

**M8 Field Attachable Connectors**

RSMCW | RKMCW

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +85°C (+185°F)

**Mechanical**

Housing / Molded body PBT  
 Insert PA  
 Contact CuSn, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM (only RKMCW)  
 Mode of connection Solder connection  
 Connectable conductor max. 0.25 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 3 poles 60 V  
 4 poles 30 V  
 Rated voltage 3 poles 63 V  
 4 poles 36 V  
 Test voltage 0.9 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Female</b>		
RSMCW 3	RKMCW 3	3	Ø 3.5-5.0 mm
RSMCW 4	RKMCW 4	4	Ø 3.5-5.0 mm



Field Attachable Connectors

**M8 Field Attachable Connectors**

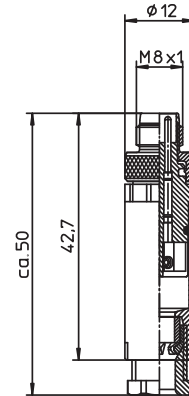
RSMCK | RKMCK



**Male, 3- and 4-Pole**

Field attachable connector, M8 male connector, 3- and 4-pole with threaded joint, assembling with screw terminals.

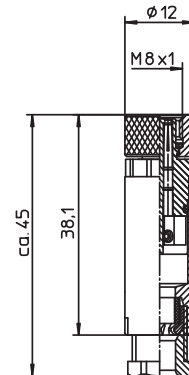
RSMCK



**Female, 3- and 4-Pole**

Field attachable connector, M8 female connector 3- and 4-pole with threaded joint, assembling with screw terminals.

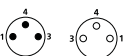
RKMCK



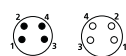
**Pin Assignments**

Face Views / M12, Male / Female

**3 pole**



**4 pole**





# Be Certain with Belden

## M8 Field Attachable Connectors

RSMCK | RKMCK

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +85°C (+185°F)

#### Mechanical

Housing / Molded body PA  
 Insert TPU, self-extinguishing  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor 0.14-0.50 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 3 poles 60 V  
 4 poles 30 V  
 Rated voltage 3 poles 63 V  
 4 poles 36 V  
 Test voltage 3 poles 1.5 kV eff. / 60 s  
 4 poles 0.8 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Female</b>		
RSMCK 3	RKMCK 3	3	Ø 3.5-5.0 mm
RSMCK 4	RKMCK 4	4	Ø 3.5-5.0 mm



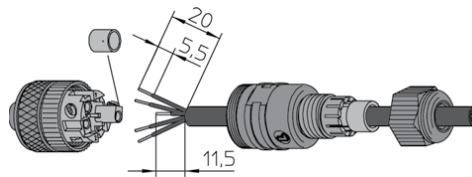
## M12 Field Attachable Connectors

RSC | RKC

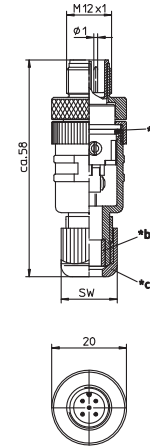


### Male, 3-, 4-, 5-, and 8-Pole

Field attachable connector, M12 male connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



RSC

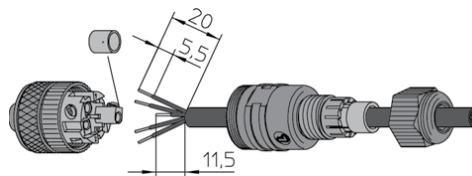


\*a O-Ring  
 \*b gasket  
 \*c cap nut

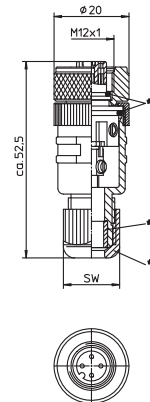


### Female, 3-, 4-, 5-, and 8-Pole

Field attachable connector, M12 female connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



RKC

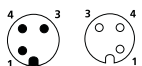


\*a O-Ring  
 \*b gasket  
 \*c cap nut

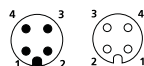
## Pin Assignments

Face Views / M12, Male / Female

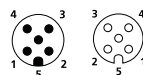
### 3 pole



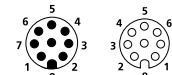
### 4 pole



### 5 pole



### 8 pole





# Be Certain with Belden

## M12 Field Attachable Connectors

RSC | RKC

### Technical Data

#### Environmental














Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body PBT  
 Insert PBT  
 Contact CuZn, pre-coppered, CuSnZn  
 8-poles pre-nickel, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor 3-5 poles max. 0.75 mm<sup>2</sup>  
 8 poles max. 0.50 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 3-5 poles 4 A  
 8 poles 2 A  
 Nominal voltage 3-4 poles 240 V  
 5 poles 60 V  
 8 poles 30 V  
 Rated voltage 3-4 poles 250 V  
 5 poles 63 V  
 8 poles 36 V  
 Test voltage 3-4 poles 2.0 kV eff. / 60 s  
 5 poles 1.5 kV eff. / 60 s  
 8 poles 0.9 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSC 3/7	RKC 4/3/7	3	Ø 3.0-6.5 mm /SW 15	 
RSC 3/9	RKC 4/3/9		Ø 4.0-8.0 mm /SW 19	 
RSC 4/7	RKC 4/7	4	Ø 3.0-6.5 mm /SW 15	 
RSC 4/9	RKC 4/9		Ø 4.0-8.0 mm /SW 19	 
RSC 5/7	RKC 5/7	5	Ø 3.0-6.5 mm /SW 15	 
RSC 5/9	RKC 5/9		Ø 4.0-8.0 mm /SW 19	 
RSC 8/9	RKC 8/9	8	Ø 4.0-8.0 mm /SW 19	



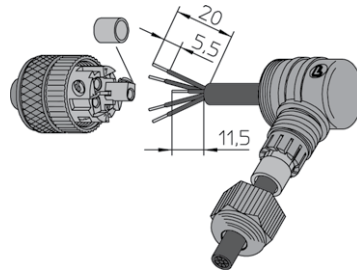
## M12 Field Attachable Connectors

RSCW | RKCW

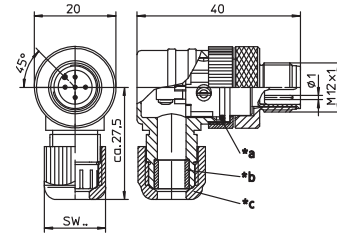


### Male, 3-, 4-, 5-, and 8-Pole (90°)

Field attachable connector, M12 male right angle connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



RSCW

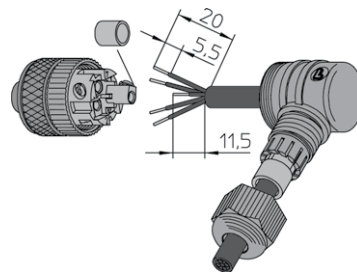


\*a O-Ring  
 \*b gasket  
 \*c cap nut

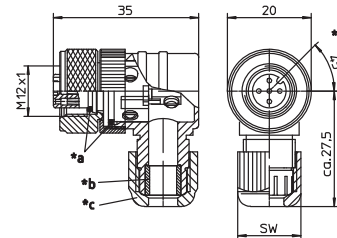


### Female, 3-, 4-, 5-, and 8-Pole (90°)

Field attachable connector, M12 female right angle connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



RKCW

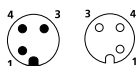


\*a O-Ring  
 \*b gasket  
 \*c cap nut  
 \*d insert 90° rotatable

## Pin Assignments

Face Views / M12, Male / Female

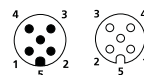
3 pole



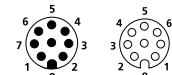
4 pole



5 pole



8 pole





# Be Certain with Belden

## M12 Field Attachable Connectors

RSCW | RKCW

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body PBT  
 Insert PBT  
 Contact CuZn, pre-coppered, CuSnZn  
 8-poles pre-nickel-plate, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor 3-5 poles max. 0.75 mm<sup>2</sup>  
 8 poles max. 0.50 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 3-5 poles 4 A  
 8 poles 2 A  
 Nominal voltage 3-4 poles 240 V  
 5 poles 60 V  
 8 poles 30 V  
 Rated voltage 3-4 poles 250 V  
 5 poles 63 V  
 8 poles 36 V  
 Test voltage 3-4 poles 2.0 kV eff. / 60 s  
 5 poles 1.5 kV eff. / 60 s  
 8 poles 0.9 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSCW 3/7	RKCW 4/3/7	3	Ø 3.0-6.5 mm /SW 15	
RSCW 3/9	RKCW 4/3/9		Ø 4.0-8.0 mm /SW 19	
RSCW 4/7	RKCW 4/7	4	Ø 3.0-6.5 mm /SW 15	
RSCW 4/9	RKCW 4/9		Ø 4.0-8.0 mm /SW 19	
RSCW 5/7	RKCW 5/7	5	Ø 3.0-6.5 mm /SW 15	
RSCW 5/9	RKCW 5/9		Ø 4.0-8.0 mm /SW 19	
RSCW 8/9	RKCW 8/9	8	Ø 4.0-8.0 mm /SW 19	

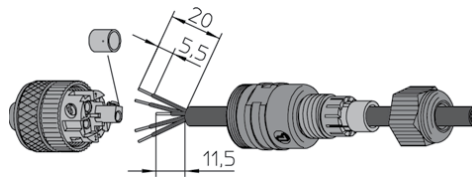
**M12 Field Attachable Connectors**

RKC/LED | RKCW/LED

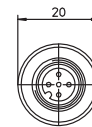
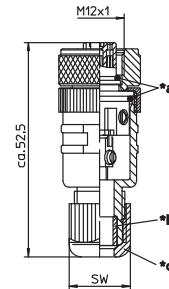


**Female, 4-Pole (LED)**

Field attachable connector, M12 female connector, 4-pole with threaded joint and LED operation and function indicator, assembling with screw terminals (printed circuit board included).



**RKC/LED**

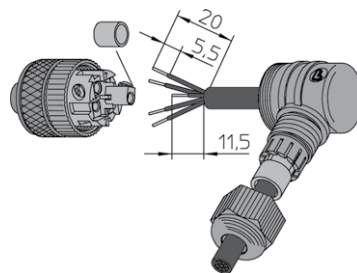


\*a O-Ring  
\*b gasket  
\*c cap nut

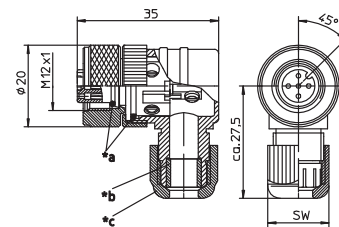


**Female, 4-Pole (90°, LED)**

Field attachable connector, M12 female connector, 4-pole with threaded joint and LED operation and function indicator, assembling with screw terminals (printed circuit board included).



**RKCW/LED**

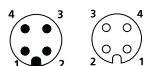


\*a O-Ring  
\*b gasket  
\*c cap nut

**Pin Assignments**

Face Views / M12, Male / Female

4 pole





Be Certain with Belden

**M12 Field Attachable Connectors**  
RKC/LED | RKCW/LED

**Technical Data**

**Environmental**





Degree of protection IP 67 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body PBT  
Insert PBT  
Contact CuZn, pre-coppered, CuSnZn  
Receptacle shell CuZn, nickel-plated  
O-ring FKM  
Mode of connection Screw terminals  
Connectable conductor max. 0.75 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
Nominal current at 40°C 4 A  
Nominal voltage 10–30 V  
Rated voltage 32 V  
Insulation resistance > 10<sup>9</sup> Ω  
Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
<b>Female</b>	<b>Female 90°</b>			
RKC/LED 4/7	RKCW/LED 4/7	4	Ø 3.0-6.5 mm /SW 15	 
RKC/LED 4/9	RKCW/LED 4/9		Ø 4.0-8.0 mm /SW 19	 

**M12 Field Attachable Connectors**

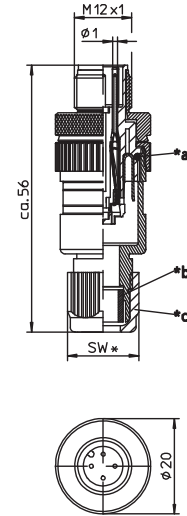
RSCQ | RKCQ



**Male, 3- and 4-Pole**

Field attachable connector, M12 male straight connector, 3- and 4-pole with threaded joint, assembling with spring-type terminals.

RSCQ



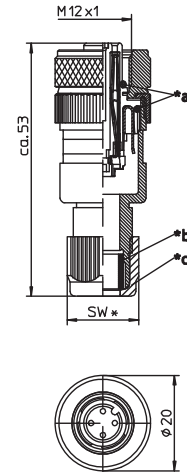
\*a O-Ring  
\*b gasket  
\*c cap nut



**Female, 3- and 4-Pole**

Field attachable connector, M12 female straight connector, 3- and 4-pole with threaded joint, assembling with spring-type terminals.

RKCQ

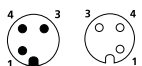


\*a O-Ring  
\*b gasket  
\*c cap nut

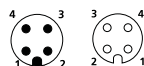
**Pin Assignments**

Face Views / M12, Male / Female

**3 pole**



**4 pole**





# Be Certain with Belden

## M12 Field Attachable Connectors

RSCQ | RKCQ

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body PBT  
 Insert PBT  
 Contact stainless steel, silver-plated, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM  
 Mode of connection Spring-type terminals  
 Connectable conductor 0.14–0.50 mm<sup>2</sup>  
 0.14 mm<sup>2</sup> with terminal pin sleeve

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 240 V  
 Rated voltage 250 V  
 Test voltage 2.0 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Female</b>		
RSCQ 3/7	RKCQ 4/3/7	3	Ø 3.0-6.5 mm /SW 15
RSCQ 3/9	RKCQ 4/3/9		Ø 4.0-8.0 mm /SW 19
RSCQ 4/7	RKCQ 4/7	4	Ø 3.0-6.5 mm /SW 15
RSCQ 4/9	RKCQ 4/9		Ø 4.0-8.0 mm /SW 19

**M12 Field Attachable Connectors (Stainless Steel Hardware)**

**RSCN | RKC**

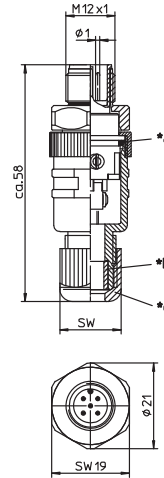


**Male, 4-, 5-, and 8-Pole**

Field attachable connector, M12 male connector, 4-, 5-, and 8-pole with stainless steel hexagon threaded joint, assembling with screw terminals.

– especially designed for use in food processing equipment –

**RSCN**



\*a O-Ring  
\*b gasket  
\*c cap nut

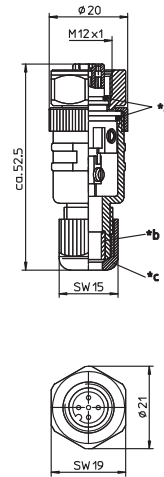


**Female, 4-, 5-, and 8-Pole**

Field attachable connector, M12 female connector, 4-, 5-, and 8-pole with stainless steel hexagon threaded joint, assembling with screw terminals.

– especially designed for use in food processing equipment –

**RKC**

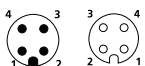


\*a O-Ring  
\*b gasket  
\*c cap nut

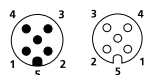
**Pin Assignments**

**Face Views / M12, Male / Female**

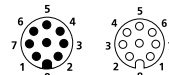
**4 pole**



**5 pole**



**8 pole**





# Be Certain with Belden

## M12 Field Attachable Connectors (Stainless Steel Hardware)

RSCN | RKCNC

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +85°C (+185°F)

#### Mechanical

Housing / Molded body PBT  
 Insert PBT  
 Contact CuZn, pre-coppered, CuSnZn  
 8-poles pre-nickeled, gold-plated  
 Receptacle shell stainless steel  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor 4-5 poles max. 0.75 mm<sup>2</sup>  
 8 poles max. 0.50 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4-5 poles 4 A  
 8 poles 2 A  
 Nominal voltage 4 poles 240 V  
 5 poles 60 V  
 8 poles 30 V  
 Rated voltage 4 poles 250 V  
 5 poles 63 V  
 8 poles 36 V  
 Test voltage 4 poles 2.0 kV eff. / 60 s  
 5 poles 1.5 kV eff. / 60 s  
 8 poles 0.9 kV eff. / 60 s  
 Insulation resistance > 109 Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Female</b>		
RSCN 4/7	RKCNC 4/7	4	Ø 3.0-6.5 mm /SW 15
RSCN 4/9	RKCNC 4/9		Ø 4.0-8.0 mm /SW 19
RSCN 5/7	RKCNC 5/7	5	Ø 3.0-6.5 mm /SW 15
RSCN 5/9	RKCNC 5/9		Ø 4.0-8.0 mm /SW 19
RSCN 8/9	RKCNC 8/9	8	Ø 4.0-8.0 mm /SW 19



Field Attachable Connectors



**M12 Field Attachable Connectors (Stainless Steel Hardware)**

RSCWN | RKCWN

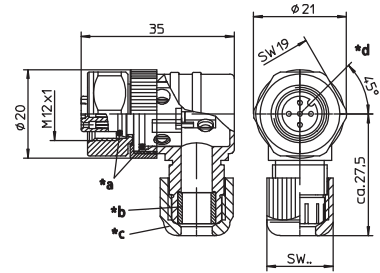


**Male, 4- and 5-Pole (90°)**

Field attachable connector, M12 male right angle connector, 4- and 5-pole with stainless steel hexagon threaded joint, assembling with screw terminals.

– especially designed for use in food processing equipment –

**RSCWN**



- \*a O-Ring
- \*b gasket
- \*c cap nut
- \*d insert 90° rotatable

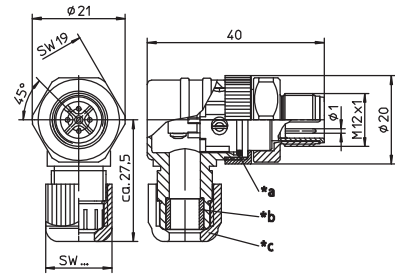


**Female, 4- and 5-Pole**

Field attachable connector, M12 female right angle connector, 4- and 5-pole with stainless steel hexagon threaded joint, assembling with screw terminals.

– especially designed for use in food processing equipment –

**RKCWN**

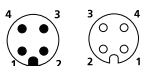


- \*a O-Ring
- \*b gasket
- \*c cap nut

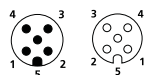
**Pin Assignments**

Face Views / M12, Male / Female

**4 pole**



**5 pole**





Be Certain with Belden

**M12 Field Attachable Connectors (Stainless Steel Hardware)**  
RSCWN | RKCWN

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +85°C (+185°F)

**Mechanical**

Housing / Molded body PBT  
Insert PBT  
Contact CuZn, pre-coppered, CuSnZn  
8-poles pre-nickeled, gold-plated  
Receptacle shell stainless steel  
O-ring FKM  
Mode of connection Screw terminals  
Connectable conductor 4-5 poles max. 0.75 mm<sup>2</sup>  
8 poles max. 0.50 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
Nominal current at 40°C 4-5 poles 4 A  
8 poles 2 A  
Nominal voltage 4 poles 240 V  
5 poles 60 V  
8 poles 30 V  
Rated voltage 4 poles 250 V  
5 poles 63 V  
8 poles 36 V  
Test voltage 4 poles 2.0 kV eff. / 60 s  
5 poles 1.5 kV eff. / 60 s  
8 poles 0.9 kV eff. / 60 s  
Insulation resistance > 109 Ω  
Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSCWN 4/7	RKCWN 4/7	4	Ø 3.0-6.5 mm /SW 15	
RSCWN 4/9	RKCWN 4/9		Ø 4.0-8.0 mm /SW 19	
RSCWN 5/7	RKCWN 5/7	5	Ø 3.0-6.5 mm /SW 15	
RSCWN 5/9	RKCWN 5/9		Ø 4.0-8.0 mm /SW 19	

**M12 Field Attachable Connectors (DUO)**

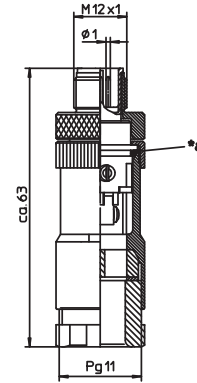
RSC...DUO | RKC...DUO



**Male, 4- and 5-Pole**

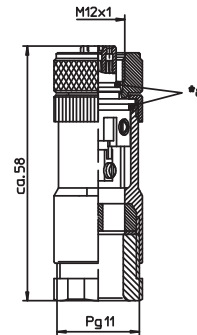
Field attachable connector, M12 Duo male connector, 4- and 5-pole with threaded joint, for two cable connections, assembling with screw terminals.

**RSC...DUO**



\*a O-Ring

**RKC...DUO**



\*a O-Ring



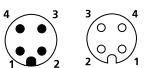
**Female, 4- and 5-Pole**

Field attachable connector, M12 Duo female connector, 4- and 5-pole with threaded joint, for two cable connections, assembling with screw terminals.

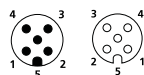
**Pin Assignments**

Face Views / M12, Male / Female

**4 pole**



**5 pole**





Be Certain with Belden

**M12 Field Attachable Connectors (DUO)**  
RSC...DUO | RKC...DUO

**Technical Data**

**Environmental**

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body PBT  
Insert PBT  
Contact CuZn, pre-coppered, CuSnZn  
Receptacle shell CuZn, nickel plated  
O-ring FKM  
Mode of connection Screw terminals  
Connectable conductor max. 0.75 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
Nominal current at 40°C 4 A  
Nominal voltage 4 poles 240 V  
5 poles 60 V  
Rated voltage 4 poles 250 V  
5 poles 63 V  
Test voltage 4 poles 2.0 kV eff. / 60 s  
5 poles 1.5 kV eff. / 60 s  
Insulation resistance > 10<sup>9</sup> Ω  
Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSC 4/DUO	RKC 4/DUO	4	2 x 3 mm / 2 x 5 mm	
RSC 5/DUO	RKC 5/DUO	5	2 x 3 mm / 2 x 5 mm	

**M12 Field Attachable Connectors (DUO)**

RSCN...DUO | RKC�...DUO

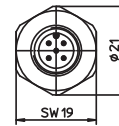
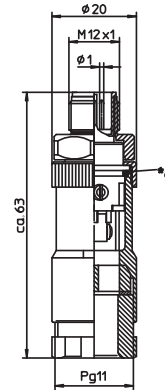


**Male, 4-Pole**

Field attachable connector, M12 Duo male connector, 4-pole with threaded joint, for two cable connections, assembling with screw terminals.

– especially designed for use in food processing equipment –

**RSCN...DUO**



\*a O-Ring

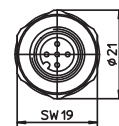
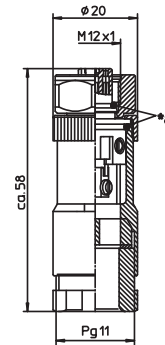


**Female, 4-Pole**

Field attachable connector, M12 Duo female connector, 4-pole with threaded joint, for two cable connections, assembling with screw terminals.

– especially designed for use in food processing equipment –

**RKC�...DUO**

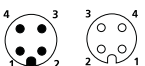


\*a O-Ring

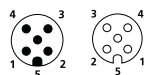
**Pin Assignments**

Face Views / M12, Male / Female

**4 pole**



**5 pole**





Be Certain with Belden

**M12 Field Attachable Connectors (DUO)**

RSC...DUO | RKC...DUO

**Technical Data**

**Environmental**


Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body PBT  
 Insert PBT  
 Contact CuZn, pre-coppered, CuSnZn  
 Receptacle shell Stainless steel  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor max. 0.75 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 240 V  
 Rated voltage 250 V  
 Test voltage 2.0 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSCN 4/DUO	RKCN 4/DUO	4	2 x 3 mm / 2 x 5 mm	

**M12 Field Attachable Connectors**

RSCS | 0976 PMC 101 | RKCS | 0976 PFC 101

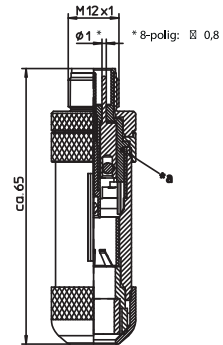


**Male, 4-, 5-, and 8-Pole**

Field attachable connector, M12 male connector 4-, 5-, and 8-pole with threaded joint, shieldable, assembling with screw terminals.

– 0976 PMC 101: 5 poles, B coding, especially suitable for Profibus signal cable 0975 254 000/... M –

**RSCS | 0976 PMC 101**



\*a O-Ring

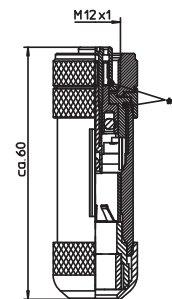


**Female, 4-, 5-, and 8-Pole**

Field attachable connector, M12 female connector 4-, 5-, and 8-pole with threaded joint, shieldable, assembling with screw terminals.

– 0976 PFC 101: 5 poles, B coding, especially suitable for Profibus signal cable 0975 254 000/... M –

**RKCS | 0976 PFC 101**

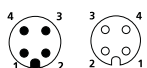


\*a O-Ring

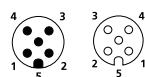
**Pin Assignments**

Face Views / M12, Male / Female

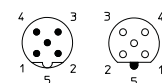
**4 pole**



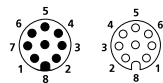
**5 pole**



**5 pole B coding**



**8 pole**





# Be Certain with Belden

## M12 Field Attachable Connectors

RSCS | 0976 PMC 101 | RKCS | 0976 PFC 101

### Technical Data

#### Environmental










Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body GD-ZnAl, pre-coppered and nickel-plated  
 Insert PBT, RSCS 8/9: PA  
 Contact CuZn, pre-coppered, CuSnZn  
 Receptacle shell CuZn, nickel-plated  
 Shield sleeve CuBe, tin-plated  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor max. 0.75 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 3–5 poles 4 A, 8 poles 2 A  
 Nominal voltage 3–4 poles 120 V, 5 poles 60 V, 8 poles 30 V  
 Rated voltage 3–4 poles 125 V, 5 poles 63 V, 8 poles 36 V  
 Test voltage 3–4 poles 1.5 kV eff. / 60 s, 5–8 poles 1.0 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSCS 4/9	RKCS 4/9	4	Ø 4.0–9.0 mm	 
RSCS 5/9	RKCS 5/9	5	Ø 4.0–9.0 mm	 
0976 PMC 101	0976 PFC 101	5B	Ø 4.0–9.0 mm	  
RSCS 8/9	RKCS 8/9	8	Ø 4.0–9.0 mm	 



**M12 Field Attachable Connectors**

RSCQS | 0976 PMC 102 | 0986 EMC 102  
RKCQS | 0976 PFC 102

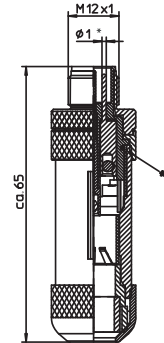


**Male, 3- and 4-Pole**

Field attachable connector, M12 male connector, 3- and 4-pole with threaded joint, shieldable, assembling with spring-type terminals.

- 0976 PMC 102: 4 poles, B coding, especially suitable for Profibus signal cable 0975 254 000/...M -
- 0986 EMC 102: 4 poles, D coding, especially suitable for Industrial EtherNet data cable 0985 342 000/... M -

RSCQS | 0976 PMC 102 | 0986 EMC 102



\*a O-Ring

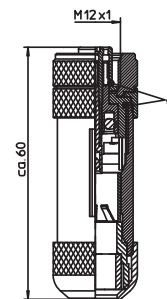


**Female, 3- and 4-Pole**

Field attachable connector, M12 female connector, 3- and 4-pole with threaded joint, shieldable, assembling with spring-type terminals.

- 0976 PFC 102: 4 poles, B coding, especially suitable for Profibus signal cable 0975 254 000/... M -

RKCQS | 0976 PFC 102

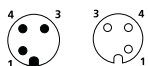


\*a O-Ring

**Pin Assignments**

Face Views / M12, Male / Female

**3 pole**



**4 pole**



**4 pole B-coding**



**4 pole D-coding**





# Be Certain with Belden

## M12 Field Attachable Connectors

RSCQS | 0976 PMC 102 | 0986 EMC 102 | RKCQS | 0976 PFC 102

### Technical Data

#### Environmental









Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body GD-ZnAl, pre-coppered and nickel-plated  
 Insert PBT  
 Contact Stainless steel, silver-plated, gold-plated  
 Receptacle shell CuZn, nickel-plated  
 Shield sleeve CuBe, tin-plated  
 O-ring FKM  
 Mode of connection Spring-type terminals  
 Connectable conductor 0.14–0.50 mm<sup>2</sup>, 0.14 mm<sup>2</sup> with terminal pin sleeve

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 120 V  
 0976 PMC 102: 32 V  
 Rated voltage 125 V  
 Test voltage 1.5 kV eff. / 60 s  
 0976 PMC 102: 0.65 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Female</b>		
RSCQS 3/9	RKCQS 4/3/9	3	∅ 4.0–9.0 mm  
RSCQS 4/9	RKCQS 4/9	4	∅ 4.0–9.0 mm  
0976 PMC 102	0976 PFC 102	4B	∅ 4.0–9.0 mm  
0976 EMC 102		4D	∅ 4.0–9.0 mm  

**1/2"-20 Field Attachable Connectors**

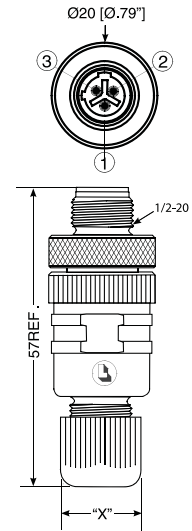
RSC 3U | RKC 3U



**Male, 3-Pole**

Field attachable connector, 1/2"-20 male connector, 3-pole, dual keyway with threaded joint, assembling with screw terminals.

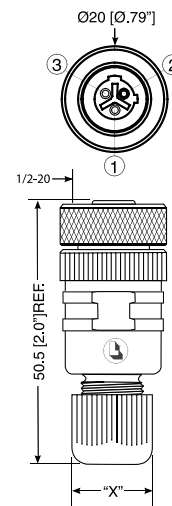
**RSC 3U**



**Female, 3-Pole**

Field attachable connector, 1/2"-20 female connector, 3-pole, dual keyway with threaded joint, assembling with screw terminals.

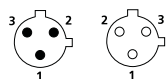
**RKC 3U**



**Pin Assignments**

Face Views / 1/2"-20, Male / Female

**3 pole**





Be Certain with Belden

**1/2"-20 Field Attachable Connectors**

RSC 3U | RKC 3U

**Technical Data**

**Environmental**





Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -25°C (-13°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body Nylon, black  
 Insert Nylon, black  
 Contact Brass, tin alloy-plated  
 Coupling nut Brass, nickel-plated  
 O-ring FKM  
 Mode of connection Screw terminals  
 Connectable conductor 18 AWG / 0.75 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 4 A  
 Nominal voltage 250 V

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSC 3U/7	RKC 3U/7	3	3.0 - 6.5 mm	 
RSC 3U/9	RKC 3U/9		4.0 - 8.0 mm	 

**1/2"-20 Field Attachable Connectors**

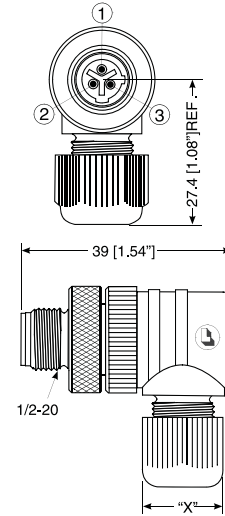
**RSCW 3U | RKCW 3U**



**Male, 3-Pole**

Field attachable connector, 1/2"-20 male right angle connector, 3-pole, dual keyway with threaded joint, assembling with screw terminals.

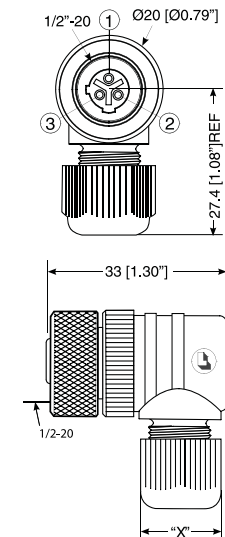
**RSCW 3U**



**Female, 3-Pole**

Field attachable connector, 1/2"-20 female right angle connector, 3-pole, dual keyway with threaded joint, assembling with screw terminals.

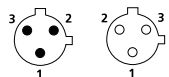
**RKCW 3U**



**Pin Assignments**

**Face Views / 1/2"-20, Male / Female**

**3 pole**





Be Certain with Belden

**1/2"-20 Field Attachable Connectors**  
RSCW 3U | RKCW 3U

**Technical Data**

**Environmental**





Degree of protection IP 67 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +90°C (+194°F)

**Mechanical**

Housing / Molded body Nylon, black  
Insert Nylon, black  
Contact Brass, tin alloy-plated  
Coupling nut Brass, nickel-plated  
O-ring FKM  
Mode of connection Screw terminals  
Connectable conductor 18 AWG / 0.75 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
Nominal current at 40°C 4 A  
Nominal voltage 250 V

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSCW 3U/7	RKCW 3U/7	3	3.0 - 6.5 mm	 
RSCW 3U/9	RKCW 3U/9		4.0 - 8.0 mm	 

Field Attachable Connectors

**Mini, 7/8" Field Attachable Connectors**

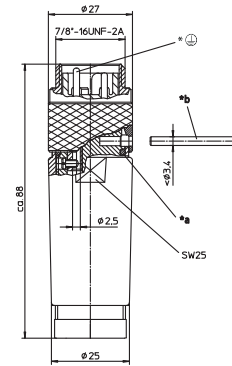
RSC 30-RSC 50 | RKC 30-RKC 50



**Male, 3-, 4-, and 5-Pole**

Field attachable connector, Mini, 7/8" male connector 3-, 4-, and 5-pole with threaded joint, assembling with screw terminals.

**RSC 30-RSC 50**



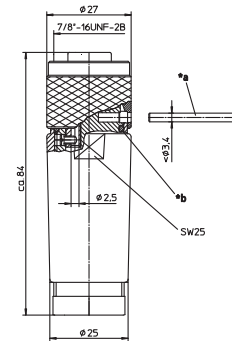
- \*a O-ring
- \*b Pin or screwdriver as assembly tool
- \*c Contact 1.5 leading



**Female, 3-, 4-, and 5-Pole**

Field attachable connector, Mini, 7/8" female connector 3-, 4-, and 5-pole with threaded joint, assembling with screw terminals.

**RKC 30-RKC 50**

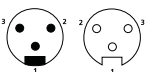


- \*a O-ring
- \*b Pin or screwdriver as assembly tool

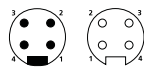
**Pin Assignments**

Mini, 7/8" - Male / Female

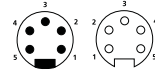
**3 poles**



**4 poles**



**5 poles**





# Be Certain with Belden

## Mini, 7/8" Field Attachable Connectors

RSC 30-RSC 50 | RKC 30-RKC 50

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
 Operating temperature range -40°C (-40°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body PA  
 Insert TPU, self-extinguishing  
 Contact CuZn, gold over nickel plated  
 Coupling nut Al anodized  
 O-ring NBR  
 Mode of connection screw terminals  
 Connectable conductor max. 1.5 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C  
     3 poles 12 A  
     4-5 poles 9 A  
 Nominal voltage 240 V  
 Rated voltage 250 V  
 Test voltage  
     3 poles 2.5 kV eff. / 60 s  
     4-5 poles 1.5 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSC 30/9	RKC 30/9	3	Ø 6.0 - 8.0 mm	
RSC 30/11	RKC 30/11		Ø 8.0 - 10.0 mm	
RSC 40/9	RKC 40/9	4	Ø 6.0 - 8.0 mm	
RSC 50/9	RKC 50/9	5	Ø 6.0 - 8.0 mm	
RSC 50/11	RKC 50/11		Ø 8.0 - 10.0 mm	
RSC 50/16	RKC 50/16		Ø 12.0 - 14.0 mm	



**Mini, 7/8" Field Attachable Connectors (Internal Threads)**

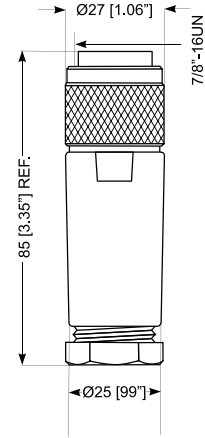
RSC 301-RSC 501



**Male, 3-, 4-, and 5-Pole**

Field attachable connector, Mini, 7/8" male connector, 3-, 4-, and 5-pole with internal threaded joint, assembling with screw terminals.

RSC 301-RSC 501

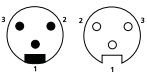


TL\_RSC3019

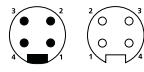
**Pin Assignments**

Mini, 7/8" - Male / Female

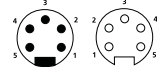
**3 poles**



**4 poles**



**5 poles**





# Be Certain with Belden

## Mini, 7/8" Field Attachable Connectors (Internal Threads) RSC 301-RSC 501

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -40°C (-40°F) / +90°C (+194°F)

#### Mechanical

Housing / Molded body Glass filled nylon  
Insert Nylon, black  
Contact CuZn, gold over nickel plated  
Coupling nut Al anodized  
Mode of connection screw terminals  
Connectable conductor max. 1.5 mm<sup>2</sup>

#### Electrical

Contact resistance ≤ 5 mΩ  
Nominal current at 40°C 3 poles 12 A  
4-5 poles 9 A  
Nominal voltage 600 V  
Insulation resistance > 10<sup>9</sup> Ω  
Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>			
RSC 301/9	3	Ø 6.0 - 8.0 mm	
RSC 301/11		Ø 8.0 - 10.0 mm	
RSC 301/13.5		Ø 10.0 - 12.0 mm	
RSC 301/16		Ø 12.0 - 14.0 mm	
RSC 401/9	4	Ø 6.0 - 8.0 mm	
RSC 401/11		Ø 8.0 - 10.0 mm	
RSC 401/13.5		Ø 10.0 - 12.0 mm	
RSC 401/16		Ø 12.0 - 14.0 mm	
RSC 501/9	5	Ø 6.0 - 8.0 mm	
RSC 501/11		Ø 8.0 - 10.0 mm	
RSC 501/13.5		Ø 10.0 - 12.0 mm	
RSC 501/16		Ø 12.0 - 14.0 mm	

**M23 Field Attachable Connectors**

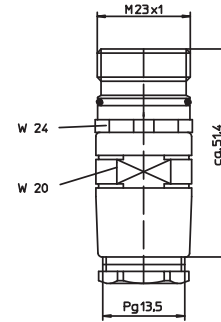
RSC-F-120/13.5 | RSC 190/9



**Male, 12-Pole**

Field attachable connector, M23 male connector 12-pole with threaded joint, external thread, assembling with solder connections.

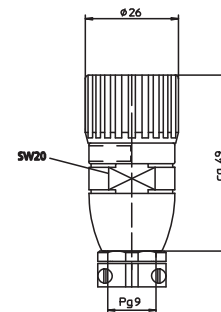
RSC-F-120/13.5



**Male, 19-Pole**

Field attachable connector, M23 male connector, 19-pole with threaded joint, assembling with solder connections.

RSC 190/9



**Pin Assignments**

M23 - Male

12 poles



19 poles





Be Certain with Belden

**M23 Field Attachable Connectors**

RSC-F-120/13.5 | RSC 190/9

**Technical Data**

**Environmental**





Degree of protection RSC-F-120/13.5: IP 67  
 RSC 190/9: IP 65  
 Operating temperature range RSC-F-120/13.5: -40°C (-40°F) / +90°C (+194°F)  
 RSC 190/9: -25°C (-13°F) / +110°C (+230°F)

**Mechanical**

Housing / Molded body CuZn, nickel-plated  
 Insert RSC-F-120/13,5: PBT GF  
 RSC 190/9: PA  
 Contact CuZn, pre-nickel and gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM (only RSC-F-120/13,5)  
 Mode of connection solder connection  
 Connectable conductor max. 1.0 mm<sup>2</sup>

**Electrical**

Contact resistance RSC-F-120/13,5: ≤ 5 mΩ  
 RSC 190/9: ≤ 3 mΩ  
 Nominal current at 40°C RSC-F-120/13,5: 8 A  
 RSC 190/9: 16 x 8 A / 3 x 10 A  
 Nominal voltage 150 V  
 Test voltage 1.5 kV eff. / 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number	Pins	Cable Diameter Range	Characteristics
<b>Male</b>	<b>Male</b>		
RSC-F-120/13.5	12	Ø 10.0 - 14.0 mm	 
	RSC 190/9	19	Ø 6.0 - 10.0 mm  

## M23 Field Attachable Connectors

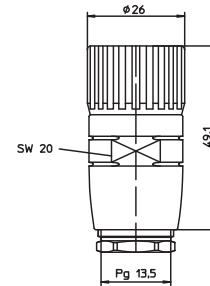
RKC.../13.5 | RKCW...13.5



### Female, 12- and 19-Pole

Field attachable connector, M23 female connector 12- and 19-pole with threaded joint, external thread, assembling with solder connections.

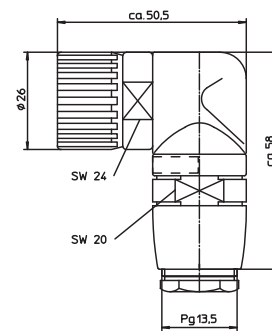
RKC.../13.5



### Female, 12- and 19-Pole

Field attachable connector, M23 female connector 12- and 19-pole, right angle with threaded joint, external thread, assembling with solder connections.

RKCW...13.5



## Pin Assignments

M23 - Male

12 poles



19 poles





Be Certain with Belden

**M23 Field Attachable Connectors**

RKC.../13.5 | RKCW...13.5

**Technical Data**

**Environmental**



Degree of protection IP 67  
 Operating temperature range -40°C (-40°F) / +125°C (+257°F)

**Mechanical**

Housing / Molded body CuZn, nickel-plated  
 Insert PBT GF  
 Contact CuZn, pre-nickel and 0.8 microns gold-plated  
 Receptacle shell CuZn, nickel-plated  
 O-ring FKM  
 Mode of connection solder connection  
 Connectable conductor max. 1.0 mm<sup>2</sup>

**Electrical**

Contact resistance ≤ 5 mΩ  
 Nominal current at 40°C 12 poles 7.5 A  
 19 poles 7.5 A pin Ø 1 mm, 10 A pin Ø 1.5 mm  
 Nominal voltage 12 poles 240 V  
 19 poles 120 V  
 Rated voltage 12 poles 250 V  
 19 poles 125 V  
 Test voltage 12 poles 2.5 kV eff./ 60 s  
 19 poles 1.5 kV eff./ 60 s  
 Insulation resistance > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Cable Diameter Range	Characteristics
<b>Female</b>	<b>Female 90°</b>			
RKC 120/13.5	RKCW 120/13.5	12	Ø 10.0 - 14.0 mm	 
RKC 190/13.5	RKCW 190/13.5	19	Ø 10.0 - 14.0 mm	