

Field attachable connector, M8 male connector

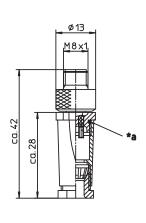
3- and 4-pole with threaded joint, assembling

Male, 3- and 4-Pole

with solder connections.

RSMC

RKMC



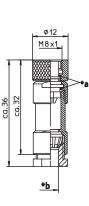


*a O**-**Ring



Female, 3- and 4-Pole

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





*a O-Ring *b Screw joint for cab**l**e

Pin Assignments

Face Views / M12, Male / Female		
3 pole	4 pole	



RSMC | RKMC

M8 Field Attachable Connectors RSMC | RKMC

Technical Data

Environmental Degree of protection

IP 67 / NEMA 6P
RSMC: -25°C (-13°F) / +80°C (+176°F) RKMC: -40°C (-40°F) / +85°C (+185°F)
$RKWC = 40 \ C (-40 \ F) / + 65 \ C (+165 \ F)$
RSMC: CuZn, nickel-plated
RKMC: PBT
PA
RSMC: CuZn, pre-nickeled and
0.8 microns gold-plated
RKMC: CuSn, gold-plated
CuZn, nickel-plated
FKM (only RKMC)
Solder connection
RSMC: max. 0.34mm ²
RKMC: max. 0.25 mm ²

LIUUII	
Contact resistance	\leq 5 m Ω
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 ⁹ Ω
Pollution degree	3

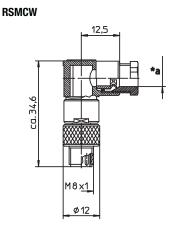
Part Number		Pins	Cable Diameter Range	Characteristics	Connectors
Male	Female		-		ector
RSMC 3	RKMC 3	3	Ø 3.5-5.0 mm		
RSMC 4	RKMC 4	4	Ø 3.5-5.0 mm		





Male, 3- and 4-Pole

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



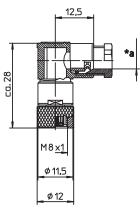
*a O-Ring *b Screw joint for cable



Female, 3- and 4-Pole

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

RKMCW



*a O-Ring *b Screw joint for cable

Pin Assignments

Face Views / M12, Male / Female		
3 pole	4 pole	
$1 \stackrel{4}{\bullet} 3 3 \stackrel{4}{\circ} \stackrel{0}{\circ} 3$		

RSMCW I RKMCW



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
0-ring	FKM (only RKMCW)
Mode of connection	Solder connection
Connectable conductor	max. 0.25 mm ²
Electrical	
Electrical Contact resistance	\leq 5 m Ω
	\leq 5 m Ω 4 A
Contact resistance	
Contact resistance Nominal current at 40°C	4 A
Contact resistance Nominal current at 40°C	4 A 3 poles 60 V
Contact resistance Nominal current at 40°C Nominal voltage	4 A 3 poles 60 V 4 poles 30 V

Test voltage
Insulation resistance
Pollution degree

lated ICW) tion 2

0.9 kV eff. / 60 s $> 10^{9} \Omega$ 3

		81			C
Part Number		Pins	Cable Diameter Range	Characteristics	onn
Male	Female				Connectors
RSMCW 3	RKMCW 3	3	Ø 3.5-5.0 mm		S, S
RSMCW 4	RKMCW 4	4	Ø 3.5-5.0 mm		



Field Attachable



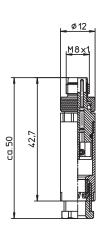
Field attachable connector, M8 male connector, 3- and 4-pole with threaded joint, assembling

Male, 3- and 4-Pole

with screw terminals.

RSMCK

RKMCK

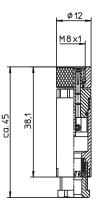






Female, 3- and 4-Pole

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





Pin Assignments

Face Views / M12, Male / Female		
3 pole	4 pole	
$1 \underbrace{\stackrel{4}{\bullet}}_{0} 3 3 \underbrace{\stackrel{4}{\circ}}_{0} 0 1$		



RSMCK | RKMCK

M8 Field Attachable Connectors RSMCK | RKMCK

Technical Data

Environmental

Degree of protectionIP 67 / NEMA 6POperating temperature range-40°C (-40°F) / +85°C (+185°F)

PA

FKM

TPU, self-extinguishing CuZn, pre-nickeled and

0.8 microns gold-plated CuZn, nickel-plated

Screw terminals 0.14-0.50 mm²

Mechanical

Housing / Molded body Insert Contact

Receptacle shell O-ring Mode of connection Connectable conductor

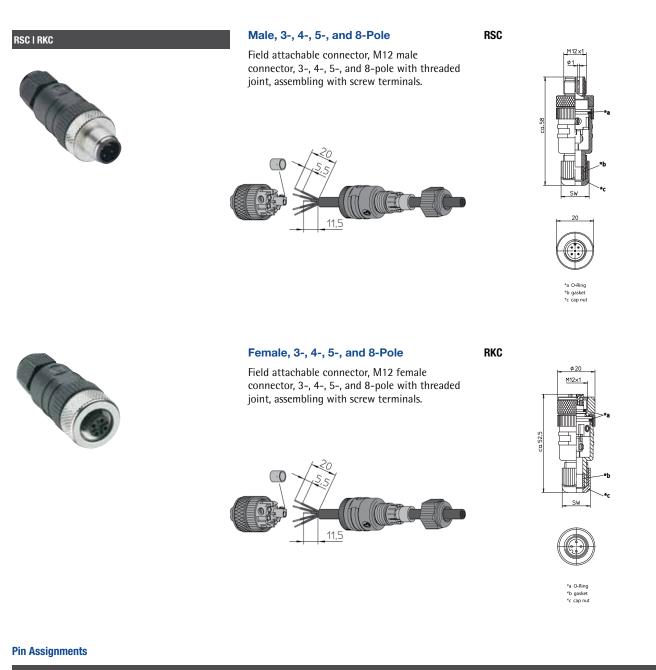
Electrical

Contact resistance	\leq 5 m Ω
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	$> 10^9 \Omega$
Pollution degree	3

Part Number		Pins	Cable Diameter Range	Characteristics	Field At Conn
Male	Female				tach: ector
RSMCK 3	RKMCK 3	3	Ø 3.5-5.0 mm		lable rs
RSMCK 4	RKMCK 4	4	Ø 3.5-5.0 mm		

Field Attachable Connectors





Face Views / M12, Male / Female3 pole4 pole5 pole8 pole $4 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $5 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow 0 \downarrow_2$ $3 \downarrow 0 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow 0 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow_2$ $2 \downarrow_2$ $2 \downarrow_2$ $3 \downarrow_2$ $3 \downarrow_2$ $4 \downarrow_2$ <

M12 Field Attachable Connectors RSC | RKC

Technical Data

Environmental

67 / NEMA 6P
°C (-13°F) / +90°C (+194°F)

PBT PBT

FKM

CuZn, pre-coppered, CuSnZn 8-poles pre-nickeled, gold-plated

CuZn, nickel-plated

8 poles max. 0.50 mm²

Screw terminals 3–5 poles max. 0.75 mm²

Mechanical

moonumour
Housing / Molded body
Insert
Contact

Receptacle shell O-ring Mode of connection Connectable conductor

Electrical

\leq 5 m Ω
3–5 poles 4 A
8 poles 2 A
3–4 poles 240 V
5 poles 60 V
8 poles 30 V
3–4 poles 250 V
5 poles 63 V
8 poles 36 V
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
$> 10^{9} \Omega$
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		· 🔍 🏲	E
RSC 4/7	RKC 4/7	4	Ø 3.0-6.5 mm /SW 15		N. 🍾	ield A: Conn
RSC 4/9	RKC 4/9		Ø 4.0-8.0 mm /SW 19		RL .	Field Attachable Connectors
RSC 5/7	RKC 5/7	5	Ø 3.0-6.5 mm /SW 15		· 🔊 🎦	ble
RSC 5/9	RKC 5/9		Ø 4.0-8.0 mm /SW 19		SN	
RSC 8/9	RKC 8/9	8	Ø 4.0-8.0 mm /SW 19			

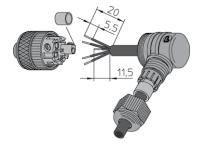




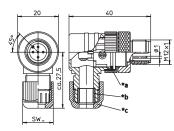


Male, 3-, 4-, 5-, and 8-Pole (90°)

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



RSCW

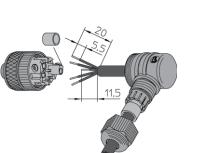


*a O-Ring *b gasket *c cap nut

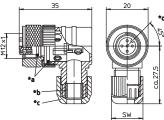


Female, 3-, 4-, 5-, and 8-Pole (90°)

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° rotatab**l**e

Pin Assignments

Face Views / M12, Male / Female					
3 pole	4 pole	5 pole	8 pole		
	$\begin{pmatrix} 4 \\ \bullet \\ \bullet \\ \bullet \\ \bullet \\ \bullet \\ 2 \end{pmatrix}_2 \begin{pmatrix} 3 \\ \circ \\ \circ \\ 2 \end{pmatrix}_1 \begin{pmatrix} 4 \\ \circ \\ \circ \\ 0 \end{pmatrix}_1$	$4 \underbrace{\bullet}_{5}^{4} \underbrace{\bullet}_{2}^{3} \underbrace{\bullet}_{2}^{3} \underbrace{\bullet}_{5}^{0} \underbrace{\bullet}_{1}^{4}$	$ \begin{array}{c} 5 \\ 7 \\ $		



RSCW | RKCW

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)

PBT PBT

FKM

CuZn, pre-coppered, CuSnZn 8-poles pre-nickeled, gold-plated

CuZn, nickel-plated

8 poles max. 0.50 mm²

Screw terminals 3-5 poles max. 0.75 mm²

Mechanical

Housing / Molded body	
Insert	
Contact	

Receptacle shell 0-ring Mode of connection Connectable conductor

Electrical

\leq 5 m Ω
3–5 poles 4 A
8 poles 2 A
3–4 poles 240 V
5 poles 60 V
8 poles 30 V
3–4 poles 250 V
5 poles 63 V
8 poles 36 V
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
$> 10^{9} \Omega$
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		AL	
RSCW 3/9	RKCW 4/3/9		Ø 4.0-8.0 mm /SW 19		A	Е
RSCW 4/7	RKCW 4/7	4	Ø 3.0-6.5 mm /SW 15		A	ield At Conn
RSCW 4/9	RKCW 4/9		Ø 4.0-8.0 mm /SW 19		A	Field Attachable Connectors
RSCW 5/7	RKCW 5/7	5	Ø 3.0-6.5 mm /SW 15		A	ble S
RSCW 5/9	RKCW 5/9		Ø 4.0-8.0 mm /SW 19		AL	
RSCW 8/9	RKCW 8/9	8	Ø 4.0-8.0 mm /SW 19			



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connector, 4-pole with threaded joint and LED operation and function indicator, assembling with screw terminals (printed circuit

Field attachable connector, M12 female

Female, 4-Pole (LED)

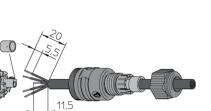
board included).

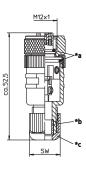
RKC/LED











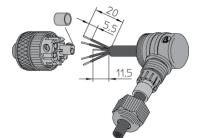


*a O-Ring *b gasket *c cap nut

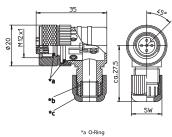


Female, 4-Pole (90°, LED)

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



*b gasket *c cap nut

Pin Assignments

Face Views / M12, Male / Female







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 ²

Electrical

Contact resistance	\leq 5 m Ω
Nominal current at 40°C	4 A
Nominal voltage	10–30 V
Rated voltage	32 V
Insulation resistance	$> 10^9 \Omega$
Pollution degree	3

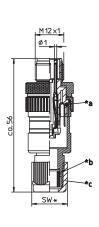
IP 67 / NEMA 6P	
-25°C (-13°F) / +90°C (+194°I	F)

Part Number		Pins	Cable Diameter Range	Characteristics
Female	Female 90 $^{\circ}$			
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	🔊 🔁



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

RKCQ

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





RSCQ I RKCQ

Female, 3- and 4-Pole

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

M12x1

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

Pin Assignments

Face Views / M12, Male / Female







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

Receptacle shell O-ring Mode of connection Connectable conductor

Electrical

Contact resistance
Nominal current at 40°C
Nominal voltage
Rated voltage
Test voltage
Insulation resistance
Pollution degree

PBT PBT stainless steel, silver-plated, gold-plated CuZn, nickel-plated FKM Spring-type terminals 0.14–0.50 mm2 0.14 mm2 with terminal pin sleeve

\leq 5 m Ω
4 A
240 V
250 V
2.0 kV eff. / 60 s
> 10 ⁹ Ω
3

Part Number		Pins	Cable Diameter Range	Characteristics	
Male	Female				Field At Conn
RSCQ 3/7	RKCQ 4/3/7	3	Ø 3.0-6.5 mm /SW 15		୍ ଟ ଜ
RSCQ 3/9	RKCQ 4/3/9		Ø 4.0-8.0 mm /SW 19		chable tors
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)

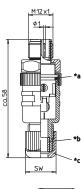
RSCN | RKCN

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

RSCN

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 –





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



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

processing equipment -

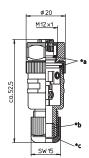
terminals.

Field attachable connector, M12 female

- especially designed for use in food

connector, 4-, 5-, and 8-pole with stainless steel hexagon threaded joint, assembling with screw

RKCN





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

Pin Assignments

Face Views / M12, Male / Female4 pole5 pole8 pole $4 \longrightarrow 2$ $3 \longrightarrow 4$ $3 \longrightarrow 4$ $9 \longrightarrow 2$ $4 \longrightarrow 2$ $3 \longrightarrow 4$ $3 \longrightarrow 4$ $9 \longrightarrow 4$ $4 \longrightarrow 2$ $3 \longrightarrow 4$ $9 \longrightarrow 4$ $9 \longrightarrow 4$ $4 \longrightarrow 2$ $3 \longrightarrow 4$ $9 \longrightarrow 4$ $9 \longrightarrow 4$ $4 \longrightarrow 2$ $3 \longrightarrow 4$ $9 \longrightarrow 4$ </t



M12 Field Attachable Connectors (Stainless Steel Hardware) RSCN | RKCN

Technical Data

Environmental

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

PBT PBT

FKM

stainless steel

Screw terminals 4-5 poles max. 0.75 mm²

8 poles max. 0.50 mm²

CuZn, pre-coppered, CuSnZn 8-poles pre-nickeled, gold-plated

Mechanical

Housing / Molded body	
Insert	
Contact	

Receptacle shell 0-ring Mode of connection Connectable conductor

Electrical

\leq 5 m Ω
4–5 poles 4 A
8 poles 2 A
4 poles 240 V
5 poles 60 V
8 poles 30 V
4 poles 250 V
5 poles 63 V
8 poles 36 V
4 poles 2.0 kV eff. / 60 s
5 poles 1.5 kV eff. / 60 s
8 poles 0.9 kV eff. / 60 s
> 109 Ω
3

Part Number		Pins	Cable Diameter Range	Characteristics	
Male	Female				3
RSCN 4/7	RKCN 4/7	4	Ø 3.0-6.5 mm /SW 15	· · · · · · · · · · · · · · · · · · ·	eld At Comm
RSCN 4/9	RKCN 4/9		Ø 4.0-8.0 mm /SW 19	· · · · · · · · · · · · · · · · · · ·	Field Attachable Connectors
RSCN 5/7	RKCN 5/7	5	Ø 3.0-6.5 mm /SW 15	R. 🖻 🎦	Die
RSCN 5/9	RKCN 5/9		Ø 4.0-8.0 mm /SW 19	R. 🖻 🎦	>
RSCN 8/9	RKCN 8/9	8	Ø 4.0-8.0 mm /SW 19		2

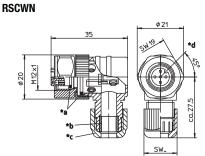


M12 Field Attachable Connectors (Stainless Steel Hardware)

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 –



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



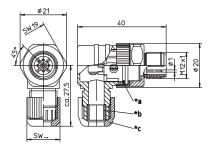
RSCWN I RKCWN

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









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)

PBT

PBT

FKM

stainless steel

Screw terminals 4-5 poles max. 0.75 mm²

8 poles max. 0.50 mm²

CuZn, pre-coppered, CuSnZn

8-poles pre-nickeled, gold-plated

Mechanical

Housing / Molded body Insert Contact

Receptacle shell 0-ring Mode of connection Connectable conductor

Electrical

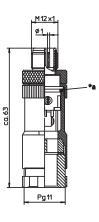
Contact resistance	\leq 5 m Ω
Nominal current at 40°C	4–5 poles 4 A
	8 poles 2 A
Nominal voltage	4 poles 240 V
	5 poles 60 V
	8 poles 30 V
Rated voltage	4 poles 250 V
	5 poles 63 V
	8 poles 36 V
Test voltage	4 poles 2.0 kV eff. / 60 s
	5 poles 1.5 kV eff. / 60 s
	8 poles 0.9 kV eff. / 60 s
Insulation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

Part Number		Pins	Cable Diameter Range	Characteristics	
Male	Female				Connectors
RSCWN 4/7	RKCWN 4/7	4	Ø 3.0-6.5 mm /SW 15	R. 🔁 🎦	Inect
RSCWN 4/9	RKCWN 4/9		Ø 4.0-8.0 mm /SW 19		DIS
RSCWN 5/7	RKCWN 5/7	5	Ø 3.0-6.5 mm /SW 15	R. 🔁 🎦	
RSCWN 5/9	RKCWN 5/9		Ø 4.0-8.0 mm /SW 19	R. P	



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

RKC...DUO

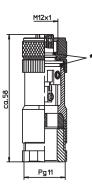


*a O-Ring



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.





*a O-Ring

Pin Assignments

Face Views / M12, Male / Female 4 pole





RSC...DUO | RKC...DUO



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
0-ring	FKM
Mode of connection	Screw terminals
Connectable conductor	max. 0.75 mm ²
Plank Andrea	

Electrical

$5 \text{ m}\Omega$
A
poles 240 V
poles 60 V
poles 250 V
poles 63 V
poles 2.0 kV eff. / 60 s
poles 1.5 kV eff. / 60 s
· 10 ⁹ Ω

Part Number		Pins	Cable Diameter Range	Characteristics
Male	Female			
RSC 4/DU0	RKC 4/DUO	4	2 x 3 mm / 2 x 5 mm	
RSC 5/DU0	RKC 5/DU0	5	2 x 3 mm / 2 x 5 mm	



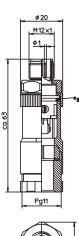
RSCN...DUO | RKCN...DUO



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 –





*a O-Ring



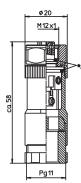
Female, 4-Pole

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 –

RKCN...DUO

RSCN...DUO





*a O-Ring

Pin Assignments

Face Views / M12, Male / Female









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 ²

Electrical

\leq 5 m Ω
4 A
240 V
250 V
2.0 kV eff. / 60 s
$> 10^{9} \Omega$
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	la l	



RSCS | 0976 PMC 101 | RKCS | 0976 PFC 101

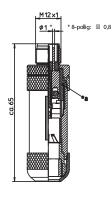


Male, 4-, 5-, and 8-Pole

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

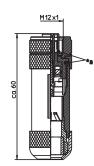


Female, 4-, 5-, and 8-Pole

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
$\begin{pmatrix} 4 \\ \bullet \\$	$ \underbrace{4}_{1} \underbrace{5}_{5}^{3}_{2} \underbrace{3}_{2} \underbrace{3}_{5} \underbrace{0}_{5} \underbrace{0}_{1}^{4}_{1} \underbrace{1}_{5} $	$\begin{pmatrix} 4 & \bullet & \bullet \\ \bullet & \bullet & \bullet \\ 1 & 5 & 2 & 2 & 0 \\ & 5 & & 2 & 5 & 1 \\ \end{pmatrix}$	$ \begin{array}{c} & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & $



RSCS | 0976 PMC 101 | RKCS | 0976 PFC 101

Technical Data

Environmental
Degree of protection
Operating temperature range

IP 67 / NEMA 6P -25°C (-13°F) / +90°C (+194°F)

GD-ZnAI, pre-coppered and

CuZn, pre-coppered, CuSnZn CuZn, nickel-plated

nickel-plated

PBT, RSCS 8/9: PA

CuBe, tin-plated

Screw terminals

max. 0.75 mm²

FKM

Mechanical

Housing / Molded body	

Insert Contact Receptacle shell Shield sleeve 0-ring Mode of connection Connectable conductor

Electrical

Contact resistance	\leq 5 m Ω
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 ⁹ Ω
Pollution degree	3

Part Number		Pins	Cable Diameter Range	Characteristics	
Male	Female				Co
RSCS 4/9	RKCS 4/9	4	Ø 4.0-9.0 mm		Connectors
RSCS 5/9	RKCS 5/9	5	Ø 4.0-9.0 mm		SIC
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		



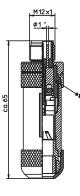
Male, 3- and 4-Pole

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 –

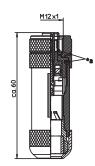
RSCQS | 0976 PMC 102 | 0986 EMC 102





*a O-Ring

RKCQS | 0976 PFC 102





*a O-Ring

Pin Assignments

Face Views / M12, Male / Femal	e		
3 pole	4 pole	4 pole B-coding	4 pole D-coding
		$\begin{array}{c} 4 \\ \bullet \\ \bullet \\ 1 \end{array} \begin{array}{c} 3 \\ 2 \end{array} \begin{array}{c} 3 \\ \bullet \\ 0 \end{array} \begin{array}{c} 0 \\ \bullet \\ 0 \end{array} \begin{array}{c} 0 \\ \bullet \\ 0 \end{array} \begin{array}{c} 0 \\ \bullet \\ 1 \end{array} \begin{array}{c} 4 \\ 0 \\ \bullet \\ 0 \end{array} \begin{array}{c} 0 \\ \bullet \\ 1 \end{array} \begin{array}{c} 4 \\ 0 \\ \bullet \\ 0 \end{array} \begin{array}{c} 0 \\ \bullet \\ 1 \end{array}$	



RSCQS | 0976 PMC 102 | 0986 EMC 102

RKCQS | 0976 PFC 102

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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 –



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

Technical Data

Environmental

Degree of protectionIP 67 / NEMA 6POperating temperature range-25°C (-13°F) / +90°C (+194°F)

Mechanical

Housing / Molded body

Insert Contact Receptacle shell Shield sleeve O-ring Mode of connection Connectable conductor

Electrical

Contact resistance Nominal current at 40°C Nominal voltage

Rated voltage Test voltage

Insulation resistance Pollution degree GD-ZnAI, pre-coppered and nickel-plated PBT Stainless steel, silver-plated, gold-plated CuZn, nickel-plated CuBe, tin-plated FKM Spring-type terminals 0.14–0.50 mm², 0.14 mm² with terminal pin sleeve

 $\leq 5 \ m\Omega \\ 4 \ A \\ 120 \ V \\ 0976 \ PMC \ 102: \ 32 \ V \\ 125 \ V \\ 1.5 \ kV \ eff. \ / \ 60 \ s \\ 0976 \ PMC \ 102: \ 0.65 \ kV \ eff. \ / \ 60 \ s \\ > \ 10^9 \ \Omega \\ 3 \\ \end{cases}$

Part Number		Pins	Cable Diameter Range	Characteristics	
Male	Female				Field , Cor
RSCQS 3/9	RKCQS 4/3/9	3	Ø 4.0-9.0 mm		Field Attachable Connectors
RSCQS 4/9	RKCQS 4/9	4	Ø 4.0-9.0 mm	<u> </u> +→)) (rs P
0976 PMC 102	0976 PFC 102	4B	Ø 4.0-9.0 mm	(], (++)))	
0976 EMC 102		4D	Ø 4.0-9.0 mm	(+++ ·))	

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1/2"-20 Field Attachable Connectors

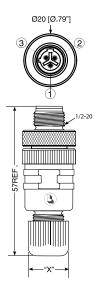
RSC 3U I RKC 3U



Male, 3-Pole

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

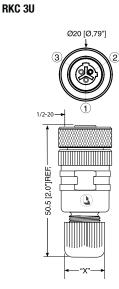
RSC 3U





Female, 3-Pole

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



Pin Assignments

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





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Field Attachable Connectors

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	
Insert	
Contact	
Coupling nut	
0-ring	
Mode of connection	
Connectable conductor	

Electrical

Contact resistance	
Nominal current at 40°C	
Nominal voltage	

°F)

Nylon, black Nylon, black Brass, tin alloy-plated Brass, nickel-plated FKM Screw terminals 18 AWG / 0.75 mm²

 $\leq 5 \text{ m}\Omega$ 4 A 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

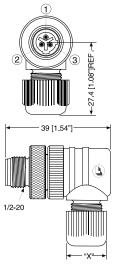
Field attachable connector, 1/2"-20 male right

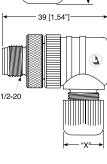
angle connector, 3-pole, dual keyway with threaded joint, assembling with screw terminals.

Male, 3-Pole

RSCW 3U

RKCW 3U



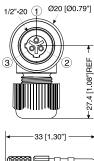


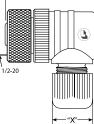


RSCW 3U I RKCW 3U

Female, 3-Pole

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





Pin Assignments

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





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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°

Mechanical

Electrical

Contact resistance	
Nominal current at 40°C	
Nominal voltage	

°F)

Nylon, black Nylon, black Brass, tin alloy-plated Brass, nickel-plated FKM Screw terminals 18 AWG / 0.75 mm²

 $\leq 5 \text{ m}\Omega$ 4 A 250 V

Part Number		Pins	Cable Diameter Range	Characteristics	Connectors
Male	Female				S
RSCW 3U/7	RKCW 3U/7	3	3.0 - 6.5 mm	🔊 🔁	
RSCW 3U/9	RKCW 3U/9		4.0 - 8.0 mm	N.	

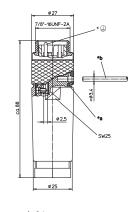


Mini, 7/8" Field Attachable Connectors

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 *@Contact 1.5 leading

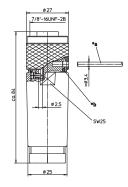


RSC 30-RSC 50 | RKC 30-RKC 50

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









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

Insulation resistance

Pollution degree

Housing / Molded body	PA
Insert	TPU, self-extinguishing
Contact	CuZn, gold over nickel plated
Coupling nut	Al anodized
0-ring	NBR
Mode of connection	screw terminals
Connectable conductor	max. 1.5 mm ²
Electrical	
Electrical Contact resistance	\leq 5 m Ω
	$\leq 5 \text{ m}\Omega$ 3 poles 12 A
Contact resistance	
Contact resistance	3 poles 12 A
Contact resistance Nominal current at 40°C	3 poles 12 A 4–5 poles 9 A

4–5 poles 1.5 kV eff. / 60 s

 $> 10^{9} \Omega$

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		Co
RSC 40/9	RKC 40/9	4	Ø 6.0 - 8.0 mm	· · · · · · · · · · · · · · · · · · ·	Connectors
RSC 50/9	RKC 50/9	5	Ø 6.0 - 8.0 mm		DILS
RSC 50/11	RKC 50/11		Ø 8.0 - 10.0 mm	R. 📔	
RSC 50/16	RKC 50/16		Ø 12.0 - 14.0 mm		



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

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

RSC 301-RSC 501

► Ø27 [1.06"] ◄ 7/8"-16UN 85 [3.35"] REF **∢**Ø25 [99"]►

TI_RSC3019



RSC 301-RSC 501

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

Pin Assignments

Mini, 7/8" - Male / Female 3 poles









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 ²
Electrical	
Contact resistance	\leq 5 m Ω
Nominal current at 40°C	3 poles 12 A

Nominal voltage Insulation resistance Pollution degree

3 poles 12 A 4–5 poles 9 A 600 V $> 10^9 \, \Omega$

3

Part Number	Pins	Cable Diameter Range	Characteristics	
Male				
RSC 301/9	3	Ø 6.0 - 8.0 mm		AL
RSC 301/11		Ø 8.0 - 10.0 mm		
RSC 301/13.5		Ø 10.0 - 12.0 mm		N
RSC 301/16		Ø 12.0 - 14.0 mm		RL (
RSC 401/9	4	Ø 6.0 - 8.0 mm		N. .
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		A
RSC 501/9	5	Ø 6.0 - 8.0 mm		N. .
RSC 501/11		Ø 8.0 - 10.0 mm		RV., 👝 🏲
RSC 501/13.5		Ø 10.0 - 12.0 mm		
RSC 501/16		Ø 12.0 - 14.0 mm		R

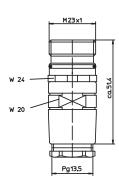


Male, 12-Pole

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

RSC-F-120/13.5

RSC 190/9

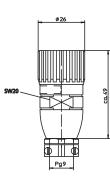




RSC-F-120/13.5 | RSC 190/9

Male, 19-Pole

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



Pin Assignments

M23 - Male 12 poles







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 Insert

Contact Receptacle shell O-ring Mode of connection Connectable conductor

Electrical

Contact resistance

Nominal current at 40°C

Nominal voltage Test voltage Insulation resistance Pollution degree CuZn, nickel-plated RSC-F-120/13,5: PBT GF RSC 190/9: PA CuZn, pre-nickeled and gold-plated CuZn, nickel-plated FKM (only RSC-F-120/13,5) solder connection max. 1.0 mm²

 $\begin{array}{l} \text{RSC-F-120/13,5:} \leq 5 \ \text{m}\Omega \\ \text{RSC 190/9:} \leq 3 \ \text{m}\Omega \\ \text{RSC-F-120/13,5: 8 A} \\ \text{RSC 190/9: 16 x 8 A / 3 x 10 A} \\ \text{150 V} \\ \text{1.5 kV eff. / 60 s} \\ > 10^{9}\Omega \\ 3 \end{array}$

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





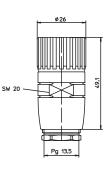
Field attachable connector, M23 female

connector 12- and 19-pole with threaded joint, external thread, assembling with solder

Female, 12- and 19-Pole

connections.

RKC.../13.5



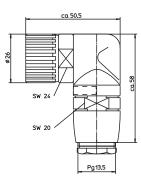


RKC.../13.5 | RKCW...13.5

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







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 / Moldod body

wechanical	
Housing / Molded body	CuZn, nickel-plated
Insert	PBT GF
Contact	CuZn, pre-nickeled 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 ²
Electrical	
Contact resistance	\leq 5 m Ω
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	$> 10^{9} \Omega$
Pollution degree	3

Part Number		Pins	Cable Diameter Range	Characteristics
Female	Female 90 $^{\circ}$			
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	