PHŒNIX CONTACT
INSPIRING INNOVATIONS

rde Connects

Member of the Phoenix Contact Group

C A   Series

Shielded Connectors M23

Connectors M23   Series CA
Technical Data

Shell material

Machined components:	Copper-Zinc alloy (CuZn)
die cast components:	Zinc (GD-Zn)
Shell plating:	Nickel (Ni) plated
Cable entry:	max. 14.5 mm

Insulator

Connector inserts:	Thermoplastic polyester (PBT), Polyamid (PA66),

Contacts

Contact material:	Copper-Zinc alloy (CuZn)
Contact plating:	Nickel (Ni) with gold (Au) passivated
Contact termination:	Solder cup, crimp type, screw type, dip solder

Sealing

Sealing rings:	Fluor rubber (FPM)
Gaskets:	Fluor rubber (FPM), or Perbunan (NBR) stiffened gaskets

Temperature

Temperature (long term) Celsius:	- 40 °C up to +125°C
Temperature (long term) Fahrenheit:	- 40 °F up to + 257 °F

Mating

Female coupling nuts:	M23 screw locking/Speedcon
Male receptacles:	M23 screw locking/Speedcon
Mating cycles:	Standard min. 50
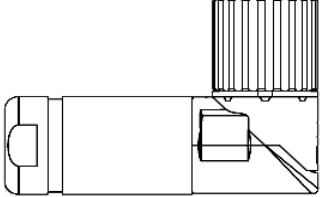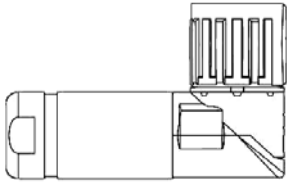
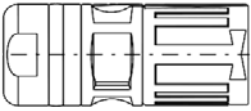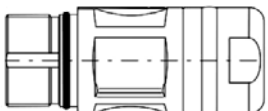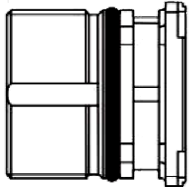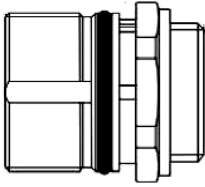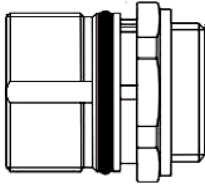**Protection**

Protection class :	IP 67 (mated) depends on which cable gland is used

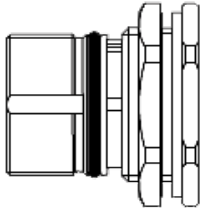|							
Number of positions	6,7	9 (8+1)	9 (6+3)	12	16	17	19 (16+3)
Number of contacts	6,7	8 1	6 3	12	16	17	16 3
Contact dia. (mm Ø)	2	1 2	1 2	1	1	1	1 1.5
Rated current at 25°C (A)	20	8 20	8 20	8	8	8	8 10
Rated voltage (V)	250	150	150	150	150	150	150
Test voltage (Volt AC)	2,500	1,500	1,500	1,500	1,500	1,500	1,500
Overvoltage category DIN EN 61984-2001	II	II	II	II	II	II	II
Insulation resistance (Ω)	$\geq 10^{16}$	$\geq 10^{16}$	$\geq 10^{12}$	$\geq 10^{12}$	$\geq 10^{12}$	$\geq 10^{12}$	$\geq 10^{12}$
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])
Contact resistance (mΩ)	≤3	≤3	≤3	≤3	≤3	≤3	≤3
Pollution degree acc. to IEC 664-1	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])	2 (3[1])

C-L-01

Shielded Connectors M23   Series CA
Shell styles 8, 8S, 9, 2, 6, H, T0

CA-xxxxxxx80xxS page C-L-04	CA-xxxxxxx80xx page C-L-05	CA-xxxxxxx90xx page C-L-06
Cable connector, straight with female coupling nut cable entry max. 14.5 mm Ø with universal shielding sleeve	Cable connector, straight with female coupling nut cable entry max. 14.5 mm Ø with universal shielding sleeve	Cable connector, straight with male thread cable entry 14.5 mm Ø with universal shielding sleeve
style 8	**style 8**	**style 9**
CA-xxxxxxx2Sxx page C-L-07	CA-xxxxxxx6Y00 page C-L-08	CA-xxxxxxx6Zxx page C-L-09
front mound, straight square flange, gasket flange with holes male thread M23	front mount, straight round flange, gasket lock nut from the back M20 male thread M 23	front mount, straight round flange, gasket lock nut from the back PG 13.5 male thread M 23
style 2S	**style 6Y**	**style 6Z**
CA-xxxxxxxHZxx page C-L-10	CA-xxxxxxxT0xx page C-L-11	CA-xxxxxxxT0xxS page C-L-12
rear mount, straight round flange, axial seal lock nut from the front male thread M 23	Cable connector, angled with female coupling nut cable entry max. 14.5 mm Ø with universal shielding sleeve	Cable connector,angled with female coupling nut cable entry max. 14.5 mm Ø with universal shielding sleeve
style HZ	**style T0xx**	**style T0xxS**

Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style 8xxS
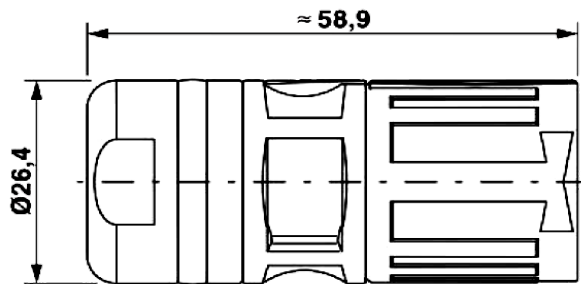
Speedcon Version

≈ 58,9

Ø26,4

1/2

Caps and accessories:	pages B-H-01…
Mounting tools:	pages B-E-01…
Assembly instructions:	page B-D-14
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
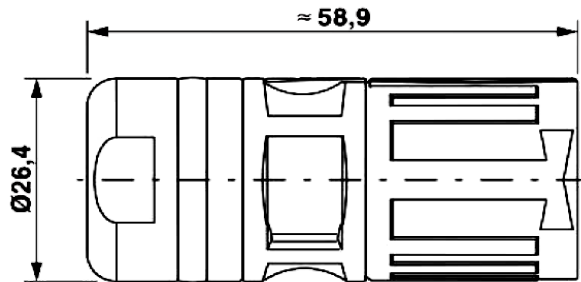the contacts are
separate included.
Please ask for P/N

| Part Number | CA- | x | x | x | x | x | x | x | 8 | 0 | x | x | S |

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

Shielded cable connector
with universal shielding sleeve

Cable connector, straight	cable entry 3-14.5 mm Ø	D	N
Cable connector, straight	cable entry 4-6.0 mm Ø	O	6
Cable connector, straight	cable entry 6-10.0 mm Ø	O	7
Cable connector, straight	cable entry 10-14.5 mm Ø	O	8

Shielded Cable Connectors M23   Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style 8xx

≈ 58,9

Ø26,4

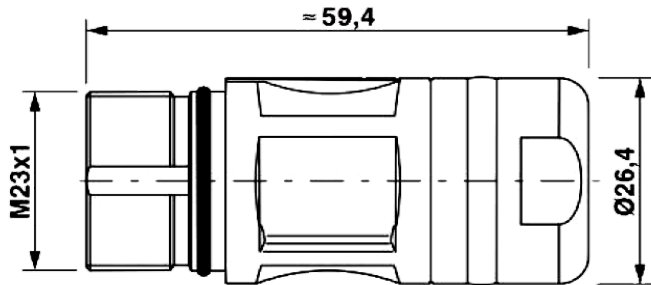| Caps and accessories:	pages B-H-01…
Mounting tools:	pages B-E-01…
Assembly instructions:	page B-D-14
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	x	x	x	x	x	x	x	8	0	x	x

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

Shielded cable connector
with universal shielding sleeve

Cable connector, straight	cable entry 3-14.5 mm Ø	D	N
Cable connector, straight	cable entry 4-6.0 mm Ø	O	6
Cable connector, straight	cable entry 6-10.0 mm Ø	O	7
Cable connector, straight	cable entry 10-14.5 mm Ø	O	8

Shielded Cable Connectors M23 Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 9xx

≈ 59,4

M23x1

Ø26,4

Caps and accessories:	pages B-H-01…
Mounting tools:	pages B-E-01…
Assembly instructions:	page B-D-15
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	9	0	X	X

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

**Shielded cable connector
with universal shielding sleeve**

Cable connector, straight	cable entry 3-14.5 mm Ø	D	N
Cable connector, straight	cable entry 4-6.0 mm Ø	O	6
Cable connector, straight	cable entry 6-10.0 mm Ø	O	7
Cable connector, straight	cable entry 10-14.5 mm Ø	O	8

Flange Connector front mount M23   Series CA
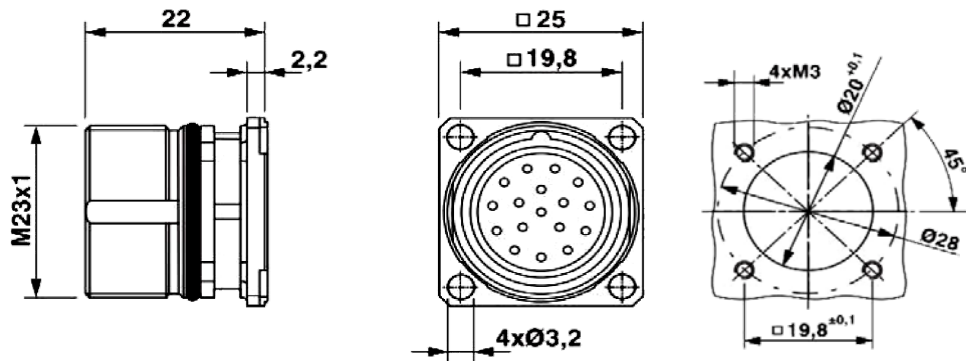## fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 2xx

Caps and accessories:	pages B-H-01…
Mounting tools:	N/A
Assembly instructions:	N/A
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

Square flange connector
with flat gasket
front mount
flange with 4 holes 3.2 mm Ø   2   S   0   0

Flange Connector front mount M23   Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
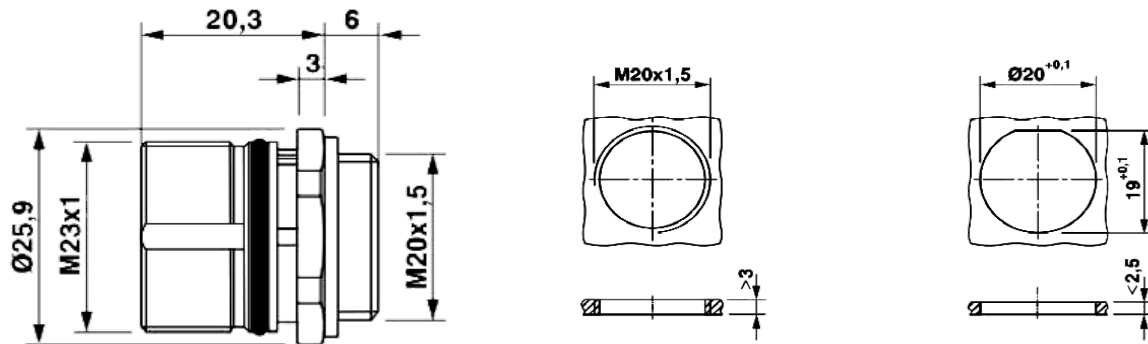## Shell style 6xx

Caps and accessories:	pages B-H-01…
Mounting tools:	N/A
Assembly instructions:	N/A
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

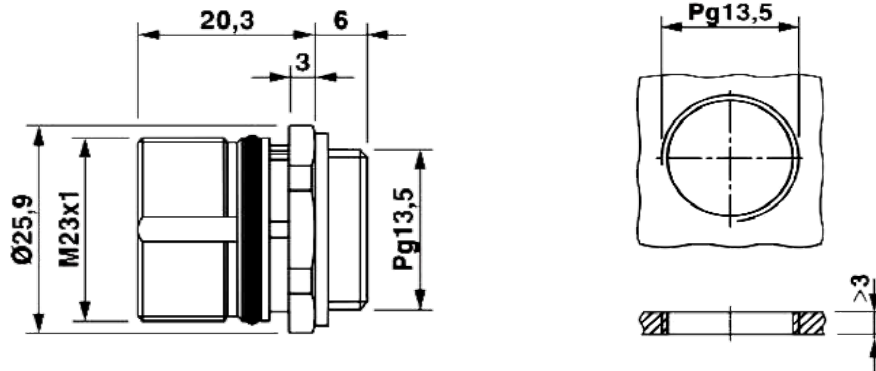| Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

**Round flange connector
with axial seal ring
front mount**

		6	Y	O	O
round flange with thread M20x1.5 mm Ø		6	Y	O	O
with additional Lock nut		6	Y	N	O
with additional Lock nut and washer		6	Y	N	W

Flange Connector front mount M23   Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style 6xx

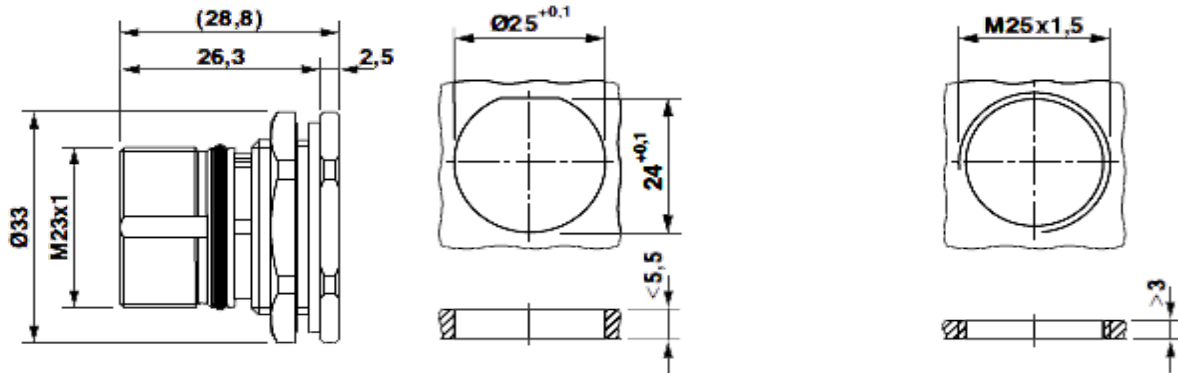| Caps and accessories:	pages B-H-01…
Mounting tools:	N/A
Assembly instructions:	N/A
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

**Round flange connector
with axial seal ring
front mount**

	6	Z	O	O
round flange with thread PG13.5 Ø	6	Z	O	O
with additional Lock nut	6	Z	N	O
with additional Lock nut and washer	6	Z	N	W

Flange Connector front mount M23   Series CA
fits all RC/UC/RF/CA Connectors with female coupling nut
Shell style Hxx

Caps and accessories:	pages B-H-01…
Mounting tools:	N/A
Assembly instructions:	N/A
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	X	X	X	X	X	X	X	X	X	X	X

Here please fill in the first 7 digits
of your desired RC connector insert
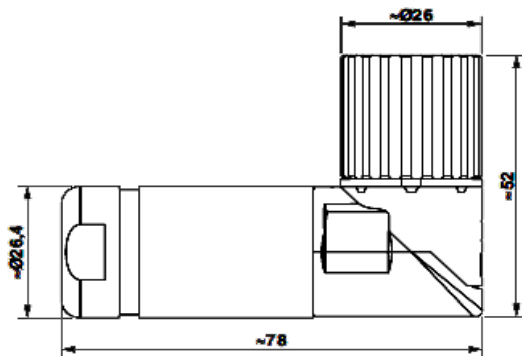(6-19 positions) from
the page B-A-01
to page B-A-29

		H	Z	O	O
Round flange connector with axial seal ring rear mount					
with hex nut from the front		H	Z	O	O
with additional Lock nut		H	Z	N	O
with additional Lock nut and washer		H	Z	N	W

Shielded Cable Connectors M23   Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style T0xx

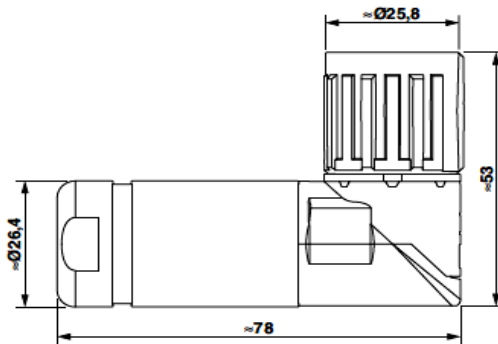| Caps and accessories: | pages B-H-01… |
Mounting tools:	pages B-E-01…
Assembly instructions:	page B-D-14A
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	x	x	x	x	x	x	x	T	0	x	x

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

**Shielded cable connector
with universal shielding sleeve**

Cable connector, straight	cable entry 3-14.5 mm Ø	D	N
Cable connector, straight	cable entry 4-6.0 mm Ø	0	6
Cable connector, straight	cable entry 6-10.0 mm Ø	0	7
Cable connector, straight	cable entry 10-14.5 mm Ø	0	8

Shielded Cable Connectors M23   Series CA
fits all RC/UC/RF/CA Connectors with male outside thread
Shell style T0xxS

≈Ø25,8

≈Ø26,4

53

≈78

Speedcon Version

1/2

Caps and accessories:	pages B-H-01…
Mounting tools:	pages B-E-01…
Assembly instructions:	page B-D-14A
Crimp tools for contacts:	pages B-B-01…
Crimp contacts:	pages B-C-01… (RC)

We also deliver as a connector set.
Connector with crimp insert - and
the contacts are
separate included.
Please ask for P/N

Part Number	CA-	x	x	x	x	x	x	x	T	0	x	x	S

Here please fill in the first 7 digits
of your desired RC connector insert
(6-19 positions) from
the page B-A-01
to page B-A-29

**Shielded cable connector
with universal shielding sleeve**

Cable connector, straight	cable entry 3-14.5 mm Ø	D	N
Cable connector, straight	cable entry 4-6.0 mm Ø	O	6
Cable connector, straight	cable entry 6-10.0 mm Ø	O	7
Cable connector, straight	cable entry 10-14.5 mm Ø	O	8