

Connectors M23 Series CA **Technical Data**



Machined components: die cast components: Shell plating: Cable entry:

Insulator Connector inserts:

Contacts

Contact material: Contact plating: Contact termination:

Sealing

Sealing rings: Gaskets:

Temperature

Temperature (long term) Celsius: Temperature (long term) Fahrenheit:

Mating

Female coupling nuts: Male receptacles: Mating cycles:

Protection

Protection class :

Copper-Zinc alloy (CuZn) Zinc (GD-Zn) Nickel (Ni) plated max. 14.5 mm

Thermoplastic polyester (PBT), Polyamid (PA66),

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



Fluor rubber (FPM) Fluor rubber (FPM), or Perbunan (NBR) stiffened gaskets

- 40 °C up to +125°C - 40 °F up to + 257 °F

M23 screw locking/Speedcon M23 screw locking/Speedcon Standard min. 50





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 | 63 | 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 | I |
| Insulation resistance (Ω) | ≥10 ¹⁶ | ≥10 ¹⁶ | ≥10 ¹² |
| Contact resistance (mΩ) | ≤3 | ≤3 | ≤3 | ≤3 | ≤3 | ≤3 | ≤3 |
| Pollution degree acc. to IEC 664-1 | 2 (3 ¹) |
| Contact resistance (mΩ) | ≤3 | ≤3 | ≤3 | ≤3 | ≤3 | ≤3 | ≤3 |
| Pollution degree acc. to IEC 664-1 | 2 (3 ¹) |



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



| Shell styles 8, 8S, 9, | 2, 6, H, IU | Continees |
|---------------------------------|---------------------------------|---------------------------------|
| CA-xxxxxx80xxS | CA-xxxxxx80xx | CA-xxxxxx90xx |
| page C-L-04 | page C-L-05 | page C-L-06 |
| Cable connector, straight | Cable connector, straight | Cable connector, straight |
| with female coupling nut | with female coupling nut | with male thread |
| cable entry max. 14.5 mm Ø | cable entry max. 14.5 mm Ø | cable entry 14.5 mm Ø |
| with universal shielding sleeve | with universal shielding sleeve | with universal shielding sleeve |
| style 8 | style 8 | style 9 |
| CA-xxxxxx2Sxx | CA-xxxxxx6Y00 | CA-xxxxxx6Zxx |
| page C-L-07 | page C-L-08 | page C-L-09 |
| front mound, straight | front mount, straight | front mount, straight |
| square flange, gasket | round flange, gasket | round flange, gasket |
| flange with holes | lock nut from the back M20 | lock nut from the back PG 13.5 |
| male thread M23 | male thread M 23 | male thread M 23 |
| style 2S | style 6Y | style 6Z |
| CA-xxxxxxHZxx | CA-xxxxxxT0xx | CA-xxxxxxT0xxS |
| page C-L-10 | page C-L-11 | page C-L-12 |
| rear mount, straight | Cable connector, angled | Cable connector,angled |
| round flange, axial seal | with female coupling nut | with female coupling nut |
| lock nut from the front | cable entry max. 14.5 mm Ø | cable entry max. 14.5 mm Ø |
| male thread M 23 | with universal shielding sleeve | 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



| L a | ≈ 58 ,9 | | | | | | | Spe | edcor | n Vers | ion | | |
|--|---|------------------------------|----|--|--------------------------|----------------------------|-------------------|-----|-------|----------------|-----|---|----|
| 026,4 | | | | | - | | | | | 1/2 | | | |
| Caps and accessories:pages B-H-Mounting tools:pages B-E-Assembly instructions:page B-D-1Crimp tools for contacts:pages B-B-Crimp contacts:pages B-C- | 01 4 •01 | | | We a Conn the c sepa Pleas | iecto ontai rate i | r with cts ar incluc | crim e led. | | | or set. and | | - | 14 |
| | | | | | | | | | | | | | |
| Part Number CA- | x x | x x | x | x | х | 8 | 0 | х | x | S | | | |
| | Here please to of your desire (6-19 position the page B-A-2 to page B-A-2 | ed RC cor ns) from -01 | | - | t | | | | | | | | |
| Shielded cable connector with universal shielding sleeve | | | | | | | | | | | | | |
| Cable connector, straight | cable entry | / 3-14 5 | mm | Ø | | | | D | N | | | | |
| Cable connector, straight | cable entry | | | | | | | 0 | 6 | | | | |
| Cable connector, straight | cable entry | | | | | | | 0 | 7 | | | | |
| Cable connector, straight | cable entry | | | | | | | 0 | 8 | | | | |
| | | | | | | | | | | | | | |

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



| 026,4 | | 58,9 | | | | | - | | | | | |
|--|---|---|--------------------------|---------|---|---------------|--------|--------|------|----------|----------|---------|
| Caps and accessories: pages B-H | -01 | | | | | We a | also d | delive | r as | a cor | necto | or set. |
| Mounting tools: pages B-E | | | | | | | | | | np ins | sert - a | and 💦 |
| Assembly instructions: page B-D-1 | | | | | | the c | | | | | | |
| Crimp tools for contacts: pages B-B Crimp contacts: pages B-C | | RC) | | | | sepa Pleas | | | | | | |
| | | , | | | | | | | | | | Jon (|
| | | | | | - | | | | | <u> </u> | 1 | 1 |
| Part Number CA- | Х | Х | Х | Х | Х | Х | Х | 8 | 0 | Х | Х | |
| | Here p of your (6-19 p the page to page | [•] desir positio ge B-A | red R ins) fi A-01 | C con | | | rt | | | | | |
| Shielded cable connector with universal shielding sleeve | | | | | | | | | | | | |
| Cable connector, straight | cable | | | | | | | | | D | Ν | |
| Cable connector, straight | cable | | - | | | | | | | 0 | 6 | |
| Cable connector, straight | cable cable | | | | | | | | | 0 | 7 | |
| Cable connector, straight | | CILL | <u>y 10</u> | ,- 14.5 | | Ψ | | | | 0 | 8 | J |

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... We also deliver as a connector set. Mounting tools: pages B-E-01... Connector with crimp insert - and Assembly instructions: page B-D-15 the contacts are Crimp tools for contacts: pages B-B-01... separate included. Crimp contacts: pages B-C-01... (RC) Please ask for P/N **Part Number** CA-9 Х Х Х Х Х х 0 Х Х Х 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 entry 3-14.5 mm Ø Ν Cable connector, straight D Cable connector, straight cable entry 4-6.0 mm Ø 0 6 cable entry 6-10.0 mm Ø 0 7 Cable connector, straight Cable connector, straight cable entry 10-14.5 mm Ø 0 8

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



| Shell Style 2X | | | | | | | | | | | | | |
|--|---|-------|-----------------|--------------------------------------|--------|------------------------|----------------------------|--|-------------------|----|----------|----------------|----|
| ×EZW | 2,2 | | • • • | □ 25 □ 19, ר3 | 8 | | | ×M3 | | 02 | 45° ¥ 28 | | 7 |
| Caps and accessories: Mounting tools: Assembly instructions: Crimp tools for contacts: Crimp contacts: | pages B-I N/A N/A pages B-I pages B-0 | 3-01 | |) | | Conr the c sepa | necto contac irate i | delive r with cts ar incluc sk for | crim e led. | | | or set. and | 14 |
| Part Number | CA- | of yo | ur des | X e fill ir sired F ions) f | RC cor | X digits or inse | X rt | x | x | x | x | | |
| Square flange connector with flat gasket | | the p | age B ge B-/ | -A-01 | | | | | | | | | |
| front mount flange with 4 holes 3.2 m | m 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



| Shell Style oxx | | | | | | | | | | | | |
|--|-------------------------|---------|---|----|-------|---|----|-------------|-------------|-------------|-------------|--|
| 0.52 [°] .6 | M20x1,5 | | | 28 | M20x1 | | ×+ | | | | 2 | |
| Caps and accessories: pages B-H-01 Mounting tools: N/A Assembly instructions: N/A Crimp tools for contacts: pages B-B-01 Please ask for P/N The second of the se | | | | | | | | | | | | |
| Part Number CA- | X digits or inser | x rt | X | x | × | x | | | | | | |
| Round flange connector with axial seal ring front mount round flange with thread M20x1.5 r with additional Lock nut with additional Lock nut and washe | | | | | | | | 6 6 6 | Y Y Y | O N N | o o w | |
| | | | | | | | | | | | | |

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



| | | | | g13, | | | | | | | |
|---|-----------------|----------|---------|------|-----|-------|---------|--|--|--|--|
| Caps and accessories: pages B-H-01 | We | also d | eliver | as a | con | necto | or set. | | | | |
| Mounting tools: N/A | ools: N/A Conne | | | | | | | | | | |
| Assembly instructions: N/A | | contac | | | | | | | | | |
| Crimp tools for contacts: pages B-B-01 | | arate ir | | | | | | | | | |
| Crimp contacts: pages B-C-01 (RC) | Plea | ase asl | < for F | P/N | | | Jel 1 | | | | |
| | | | | | | | | | | | |
| Part Number CA- x x x > | (x x | x | х | х | х | x | | | | | |
| Here please fill in th of your desired RC of (6-19 positions) from the page B-A-01 to page B-A-29 | connector inse | | | | | | | | | | |
| Round flange connector | | _ | | | | | | | | | |
| with axial seal ring | | | | | | | | | | | |
| front mount | | | | | | | | | | | |
| round flange with thread PG13.5 Ø | | | 6 | Z | 0 | 0 | | | | | |
| with additional Lock nut | | | 6 | Z | N | 0 | | | | | |
| with additional Lock nut and washer | | | 6 | Z | N | W | | | | | |
| | | | | _ | _ | | | | | | |
| | | | | | | | | | | | |
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Flange Connector front mount M23 Series CA fits all RC/UC/RF/CA Connectors with female coupling nut Shell style Hxx



Ø25^{+0,1} (28.8)M25x1,5 26,3 2.5 ÷ ä M23x1 033 ŝ Ø P **7** Caps and accessories: pages B-H-01... We also deliver as a connector set. **Mounting tools:** N/A Connector with crimp insert - and Assembly instructions: N/A the contacts are Crimp tools for contacts: pages B-B-01... separate included. Crimp contacts: pages B-C-01... (RC) Please ask for P/N Part Number CA-Х Х Х Х Х х Х Х Х Х Х 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 rear mount with hex nut from the front н Ζ 0 0 with additional Lock nut Ζ н Ν 0 with additional Lock nut and washer ΗZ N W

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



| · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | |
|--|-----------|--------------------------|--|----------------------------|--------|------|-------------------|--------|--------|------|--------|----------|-----------|
| P SZGA | | ~78 | | | | | | | | | | | |
| Caps and accessories: | pages B-H | - 0 1 | | | | | Wea | also c | delive | r as | a cor | necto | or set. |
| Mounting tools: | pages B-E | -01 | | | | | Conr | necto | r with | crim | np ins | sert - a | and 🛛 🖉 |
| Assembly instructions: | page B-D- | 14A | | | | | the c | onta | cts ar | е | | | |
| Crimp tools for contacts: | | | | | | | - | | incluc | | | | 14 - C |
| Crimp contacts: | pages B-C | -01 | (RC) | | | | Plea | se as | k for | P/N | | | Joseph K. |
| | | | | | | | <u> </u> | - | - | | | - | |
| Part Number | CA- | x | х | х | x | x | x | x | т | 0 | x | x | |
| | | of you (6-19 the p | pleas ur des positi age B ge B-/ | ired R ions) f -A-01 | RC cor | | digits or inse | rt | | | | | |
| Shielded cable connector with universal shielding s | | | | | | | | | | | | | |
| Cable connector, straight | | cabl | e ent | try 3- | 14.5 | mm | Ø | | | | D | Ν | |
| Cable connector, straight | | | e ent | - | | | | | | | 0 | 6 | |
| Cable connector, straight | : | | e ent | | | | | | | | 0 | 7 | |
| Cable connector, straight | | cabl | e ent | try 10 |)-14. | 5 mr | nØ | | | | 0 | 8 | |
| | | | | | | | | | | | | | |

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



| Shell Style TOXX3 | , | | | | | | | | | | | | | |
|--|--------------------------|----------------------|--------|--------|---------------|--------|--------|--------|-------|---------|---------|------|-----|----|
| | | * | ů25,8 | - | • | | | | Spe | edcor | n Vers | sion | | |
| Caps and accessories: pages B-H-01 We also deliver as a connector set. | | | | | | | | | | | | | | |
| Caps and accessories: page | s B-H-01 | | | | Wea | also d | lelive | r as a | a con | necto | or set. | | | |
| | es B-E-01 | | | | | | | | p ins | ert - a | and | | | |
| | B-D-14A | | | | the c | | | | | | | | V | 9 |
| | es B-B-01… es B-C-01… | | | | sepa Pleas | | k for | | | | | | E a | 27 |
| | | . , | | | | _ | _ | _ | _ | _ | _ | _ | Å | |
| | | | - | | | | | | | | | | | |
| Part Number CA | - X | XX | x x | Х | Х | Х | Т | 0 | Х | Х | S | | | |
| | | please fi | | | | | | | | | | | | |
| | | ur desire | | nnecto | or inse | rt | | | | | | | | |
| | | position age B-A- | | 1 | N. W. W. | 10 | | | | | | | | |
| | | ge B-A-2 | | | | | | | | | | | | |
| | | 5- | - | | | | | | | | | | | |
| Shielded cable connector | | | | | | | | | | | | | | |
| with universal shielding sleeve | | | | | | | | | | | | | | |
| Cable connector, straight | cabl | e entry | 3-14.5 | mm | Ø | | | | D | Ν | | | | |
| Cable connector, straight | | e entry | | | | | | | 0 | 6 | | | | |
| Cable connector, straight | | e entry | | | | | | | 0 | 7 | | | | |
| Cable connector, straight | cabl | e entry | 10-14. | .5 mr | nØ | | | | 0 | 8 | | | | |
| | | | | | | | | | | | | | | |
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