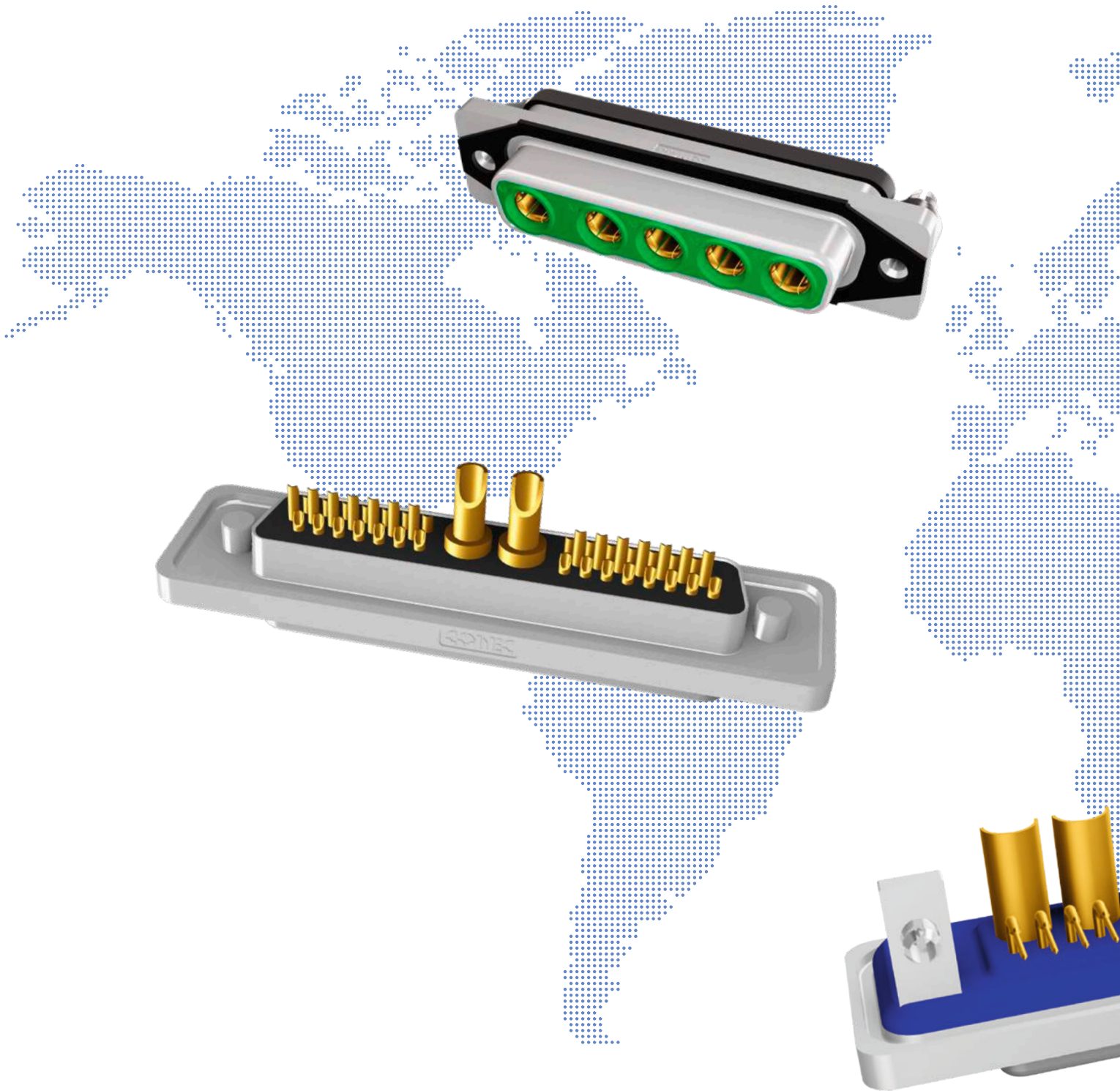
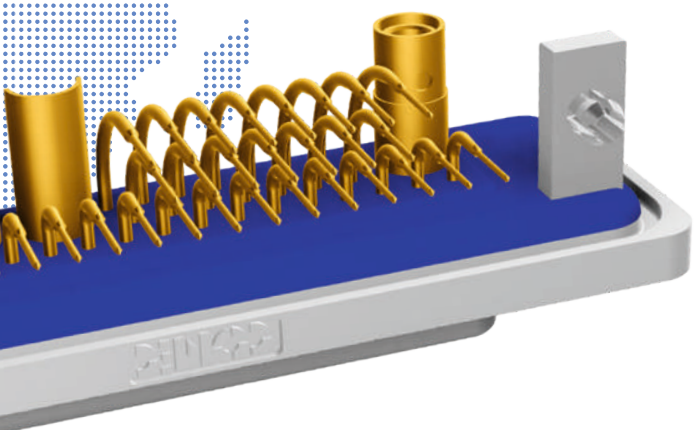


SECTION 7

IP67 COMBINATION D-SUB CONNECTORS





IP67 COMBINATION D-SUB CONNECTORS

Part Number Creator

6 0 0 7 W 2 S A M 6 2 B 3 O X

Product Line

- 6 = Shell: Brass tin plated with die-cast frame
- 4* = Shell: Brass tin plated with or without plastic frame
- 8* = Shell: Stainless steel with or without die-cast frame
- 9* = Shell: Stainless steel with plastic frame
- * on request

Variations

- Shellsize 1 = 5W1, 2W2C
- Shellsize 2 = 3W3, 7W2, 11W1, 3W3C
- Shellsize 3 = 5W5, 9W4, 13W3, 17W2, 21W1
- Shellsize 4 = 8W8, 13W6, 17W5, 21WA4, 25W3, 27W2
- Shellsize 5 = 24W7, 36W4, 43W2, 47W1
- Empty positions ADD „0“ for example 007W2

Contact type

- P = Plug connector
- S = Socket connector

Plating code/Quality class for signal contacts

- A = Quality class 3 = 50 mating cycles
- B = Quality class 2 = 200 mating cycles
- C = Quality class 1 = 500 mating cycles
- X = without signal contact

Termination applies to signal contacts only

- M = Solder cup
- R = Solder pin – Straight
- T = Solder pin – Angled, .189" / 4.80 mm
- U = Solder pin – Angled, .276" / 7.00 mm
- Z = Solder pin – Angled, .465" / 11.80 mm
- X = 3W3, 5W5, 8W8, 2W2C, 3W3C

Termination for high power or coaxial contacts

Quality class 3 / Quality class 1

- 61 / 41 = Solder cup 10 A
- 62 / 42 = Solder cup 20 A
- 68 / 48 = Solder pin – Straight 20 A, D= .077" 1.95 mm
- 69 / 49 = Solder pin – Straight 20 A, D= .102" 2.60 mm
- 70 / 50 = Solder pin – Straight 20 A, D= .112" 2.85 mm
- 71 / 51 = Solder pin – Straight 30 A, D= .125" 3.18 mm
- 72 / 52 = Solder pin – Straight 40 A, D= .148" 3.75 mm
- 59 / 55 = Solder pin – Angled 15 A
- 73 / 56 = Solder pin – Angled 20 A
- 74 / 57 = Solder pin – Angled 30 A
- 75 / 58 = Solder pin – Angled 40 A
- 77 / 60 = Solder pin – Angled 40 A

Quality class 3 / Quality class 1

- 85 / 65 = Solder pin – Angled 30 A
- 81 / 66 = Solder pin – Angled 20 A
- 82 / 67 = Solder pin – Angled 30 A
- F9 / H4 = Cable connection straight 75 Ω
- G1 / H5 = Cable connection straight 75 Ω
- G2 / H6 = Cable connection straight 50 Ω
- G3 / H7 = Cable connection straight 50 Ω
- G4 / H8 = Cable connection straight 50 Ω
- G5 / H9 = Cable connection straight 50 Ω
- G6 / K1 = Cable connection straight 50 Ω
- G7 / 76 = 3 solder pins straight 50 Ω
- G8 / 86 = 3 solder pins straight 75 Ω

Quality class 3 / Quality class 1

- G9 / 78 = 3 solder pins angled 50 Ω
- H1 / 79 = 3 solder pins angled 50 Ω
- H2 / 88 = 3 solder pins angled 75 Ω
- H3 / 89 = 3 solder pins angled 75 Ω
- R1 = Screw Crimp 10 A
- R2 = Screw Crimp 20A
- R3 = Screw Crimp 30A
- R4 = Screw Crimp 40A

Mounting style

- A1 = Riveted through hole for hood assembly
- B3 = 4-40 UNC threaded insert
- B5 = 4-40 UNC front spacer
- E2 = 4-40 UNC threaded rear spacer with PCB clip, PCB .063" 1.60 mm
- S2 = Metal bracket, 4-40 UNC threaded insert
- S4 = Metal bracket, 4-40 UNC threaded insert and PCB clip
- R2 = Metal bracket, 4-40 UNC threaded insert
- R4 = Metal bracket, 4-40 UNC threaded insert PCB clip

- OX = Standard

IP67 COMBINATION D-SUB CONNECTORS

Product specification Standard

Basic material	Connectors with			
	Signal contacts	Coaxial contacts	High power contacts	
Contact	Copper alloy			
Contact plating	Flash gold over nickel			
Insulator (Connector)	PBT GF UL 94 V-0 (Connectors)			
Insulator (Contacts)		PTFE/PBTP/PI (Contacts)		
Shell	Brass tin plated (Stainless steel on request)			
Retaining clip		Copper alloy		
Technical Data				
Test voltage	1000 V, 50 Hz, 1 min.	750 V, 50 Hz, 1 min.	1000 V, 50 Hz, 1 min.	
Working voltage	250 V AC/DC depending on isolation coordination refer to DIN VDE 0110 / IEC 664-1			
Current rating	7.5 A (UL) / 5 A (CSA, VDE)	2 A	10 - 40 A (UL)	
Resistance between mated contacts	max. 10 mΩ	max. 2.7 mΩ	max. 1 mΩ	
Insulation resistance	≥ 5 GΩ	≥1 GΩ	≥ 5 GΩ	
Characteristic impedance		50/75 Ω		
Frequency range		0-2 GHz		
VSWR-value according MIL-C-39012		≤ 1.2 @ 1.2 GHz ≤ 1.3 @ 1.5 GHz ≤ 1.5 @ 2.0 GHz		
Operating temperature	- 25 °C to + 105 °C			
Mounting style Front or rear panel mounting Panel thickness	min. 1 mm to 1.6 mm			
Insertion force per contact	3.4 N	7 N	7 N	
Extraction force per contact	0.2 N	7 N	approx. 5 N	
Quality class	A = Quality class 3 = 50 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles			
Recommended wave-solder parameters	Preheating		Solder terminal dipping parameters	
	Temperature	duration	max. Solder bath temperature	max. terminal immersion time
IP67 Combination D-SUB Standard	120 °C	120 s	240 °C	5 s

Technical specifications are subject to change without notice

IP67 COMBINATION D-SUB CONNECTORS

Product specification Solid Body

Basic material	Solid Body Connectors with			
	D-SUB signal contacts	HD-SUB signal contacts	Coaxial contacts	High power contacts
Contact	Copper alloy			
Contact plating	Flash gold over nickel			
Insulator (Connector)	PBT GF UL 94 V-0			
Insulator (Contacts)			PBT GF UL 94 V-0	
Shell	Zinc die-cast nickel plated			
Retaining clip			Copper alloy	
Technical Data				
Test voltage	1000 V, 50 Hz, 1 min.	1000 V, 50 Hz, 1 min.	750 V, 50 Hz, 1 min.	1000 V, 50 Hz, 1 min.
Working voltage	250 V AC/DC	60 V AC/DC	250 V AC/DC	250 V AC/DC
	depending on isolation coordination refer to DIN VDE 0110 / IEC 664-1			
Current rating	7.5 A (UL) / 5 A (CSA, VDE)	3 A (UL, VDE) / 2.5 A (CSA)	2 A	10 - 40 A (UL)
Resistance between mated contacts	max. 10 mΩ	max. 10 mΩ	max. 2.7 mΩ	max. 1 mΩ
Insulation resistance	≥ 5 GΩ	max. 10 mΩ	≥ 1 GΩ	≥ 5 GΩ
Characteristic impedance			50/75 Ω	
Frequency range			0-2 GHz	
VSWR-value according MIL-C-39012			≤ 1.2 @ 1.2 GHz ≤ 1.3 @ 1.5 GHz ≤ 1.5 @ 2.0 GHz	
Operating temperature	- 40 °C to + 105 °C			
Mounting style Front or rear panel mounting Panel thickness	min. 1 mm to 1.6 mm			
Insertion force per contact	3.4 N	3.4 N	7 N	7 N
Extraction force per contact	0.2 N	0.2 N	7 N	approx. 5 N
Quality class	A = Quality class 3 = 50 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles			
Recommended wave-solder parameters	Preheating		Solder terminal dipping parameters	
	Temperature	duration	max. Solder bath temperature	max. terminal immersion time
IP67 Combination D-SUB Solid Body	150 °C	180 s	265 °C	8 s

Technical specifications are subject to change without notice

IP67 COMBINATION D-SUB CONNECTORS

Product specification CONEC SlimCon

Basic material	CONEC SlimCon Connectors with			
	D-SUB signal contacts	HD-SUB signal contacts	Coaxial contacts	High power contacts
Contact	Copper alloy			
Contact plating	Flash gold over nickel			
Insulator	PBT GF UL 94 V-0			
Insulator			PTFE/PBTP/PI	
Shell	Zinc die-cast nickel plated			
Retaining clip			Copper alloy	
Technische Daten				
Test voltage	1000 V, 50 Hz, 1 min.	1000 V, 50 Hz, 1 min.	750 V, 50 Hz, 1 min.	1000 V, 50 Hz, 1 min.
Working voltage	250 V AC/DC	60 V AC/DC	250 V AC/DC	250 V AC/DC
	depending on isolation coordination refer to DIN VDE 0110 / IEC 664-1			
Current rating	7.5 A (UL) / 5 A (CSA, VDE)	3 A (UL, VDE) / 2.5 A (CSA)	2 A	10 - 40 A (UL)
Resistance between mated contacts	max. 10 mΩ	max. 10 mΩ	max. 2.7 mΩ	max. 1 mΩ
Insulation resistance	≥ 5 GΩ	max. 10 mΩ	≥ 1 GΩ	≥ 5 GΩ
Characteristic impedance			50/75 Ω	
Frequency range			0-2 GHz	
VSWR-value according MIL-C-39012			≤ 1.2 @ 1.2 GHz ≤ 1.3 @ 1.5 GHz ≤ 1.5 @ 2.0 GHz	
Operating temperature	- 40 °C bis + 105 °C			
Mounting style Front or rear panel mounting Panel thickness	min. 0.8 mm to 1.3 mm			
Insertion force per contact	3.4 N	3.4 N	7 N	7 N
Extraction force per contact	0.2 N	0.2 N	7 N	approx. 5 N
Quality class	A = Quality class 3 = 50 mating cycles B = Quality class 2 = 200 mating cycles C = Quality class 1 = 500 mating cycles			
Recommended wave-solder parameters	Preheating		Solder terminal dipping parameters	
	Temperature	duration	max. Solder bath temperature	max. terminal immersion time
IP67 Combination D-SUB CONEC SlimCon	150 °C	180 s	265 °C	8 s

Technical specifications are subject to change without notice

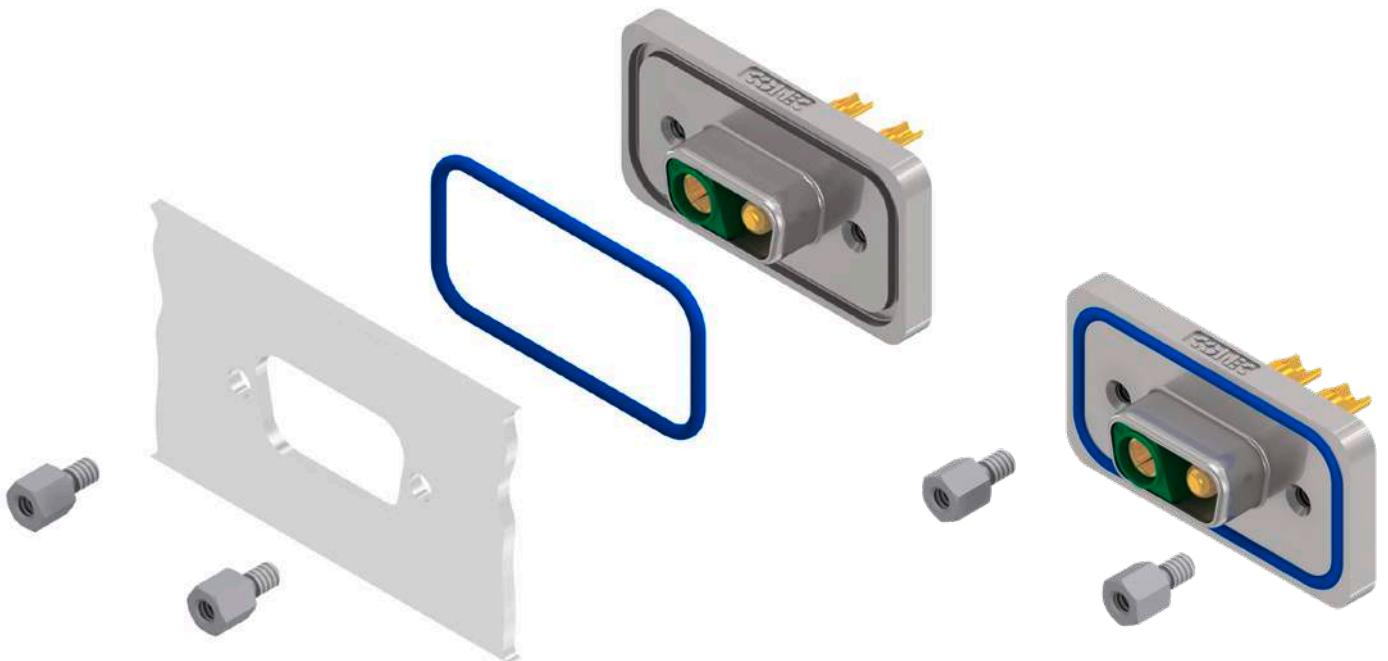
IP67 COMBINATION D-SUB CONNECTORS

Panel mounting

Front panel mounting



Back panel mounting



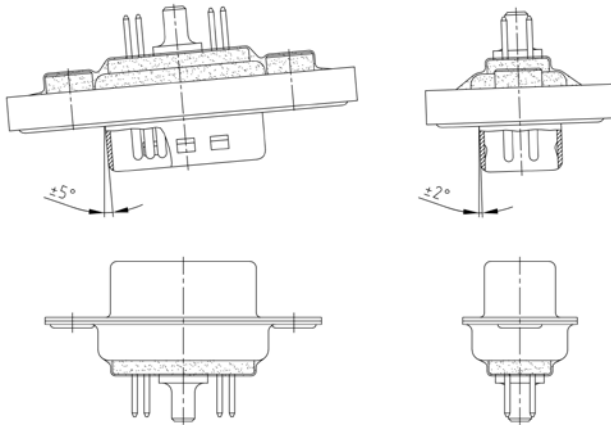
The hex bolts illustrated here (4-40 UNC or M3 threads) are included in the delivery complement of every connector with a sealing frame. The length of this spacer has been selected to accommodate a panel thickness of .063"/1.6 mm (standard & solid body)/.051"/1.3 mm (CONEC SlimCon) such that it does not extend beyond the plug-in height. Material: stainless steel.

Technical specifications are subject to change without notice.

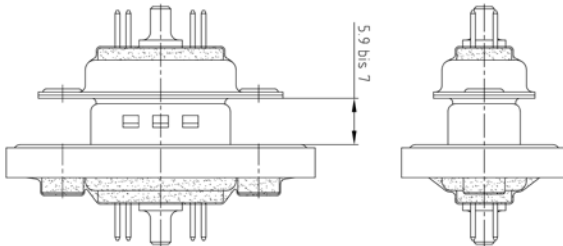
IP67 COMBINATION D-SUB CONNECTORS

Mating conditions

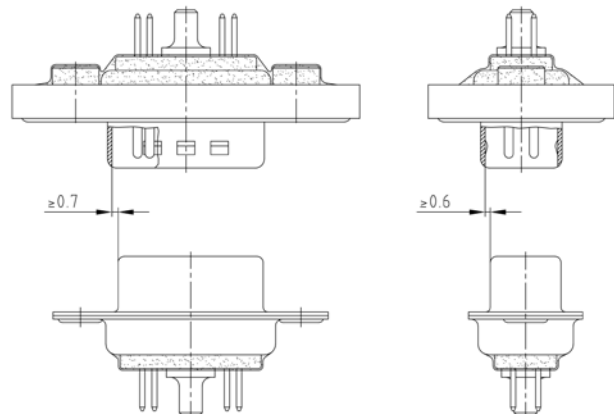
Max. tilt angle for connector mating



Range for safe contact

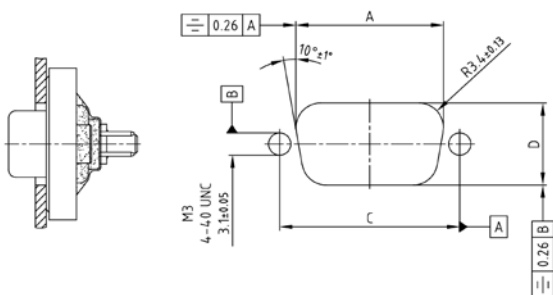


Lock-in range

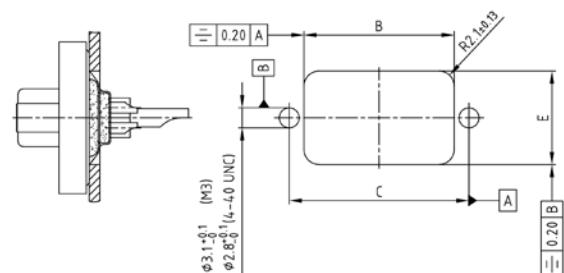


Panel cut-out

Back panel mounting



Front panel mounting



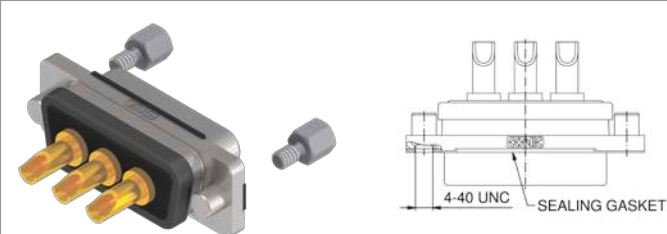
Shell size	A ± 0.1	B ± 0.1	C ± 0.1	D ± 0.1	E ± 0.1
1	20.50	20.90	25.00	11.40	13.00
2	28.80	29.20	33.30	11.40	13.00
3	42.50	42.90	47.04	11.40	13.00
4	59.10	59.40	63.50	11.40	13.00
5	56.30	57.00	61.10	14.10	15.80

Technical specifications are subject to change without notice.

IP67 COMBINATION D-SUB CONNECTORS
CONEC SlimCon with high power contacts 20 A

Solder cup straight
 Precision machined contacts, AWG 12-14

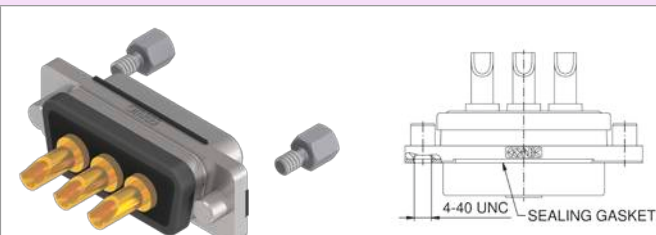
4-40 UNC threaded insert



No. of poles	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
3W3	20	250	3	15-007953	15-008083
5W5				15-007963	15-008093

One-piece zinc die-cast nickel plated shell
 Quality class 3 (A) = 50 mating cycles
 Stainless steel hex bolts are supplied loose
 On request:
 • Quality class 1 (C) = 500 mating cycles

4-40 UNC threaded insert, coded version

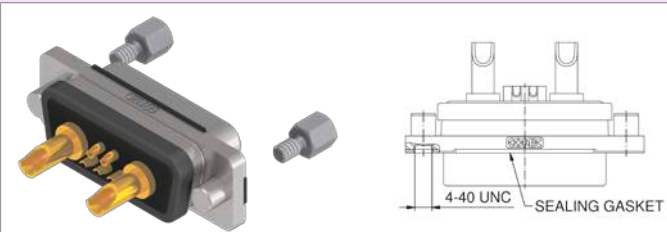


2W2C	20	250	3	15-007933	
3W3C				15-007943	15-008073

IP67 COMBINATION D-SUB CONNECTORS
CONEC SlimCon with signal contacts & high power contacts 20 A

Solder cup straight
 Precision machined contacts, AWG 20 and AWG 12-14

4-40 UNC threaded insert



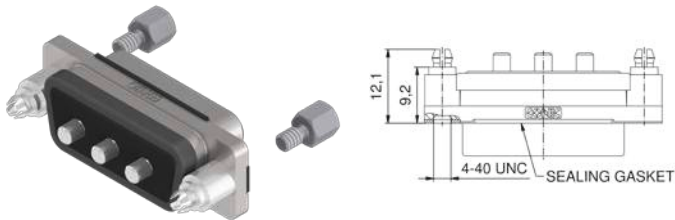
No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
7W2	75 (UL) / 5 (CSA VDE)	20	250	3	15-007973	15-008103

One-piece zinc die-cast nickel plated shell
 Quality class 3 (A) = 50 mating cycles
 Stainless steel hex bolts are supplied loose
 On request:
 • Quality class 1 (C) = 500 mating cycles

IP67 COMBINATION D-SUB CONNECTORS
CONEC SlimCon with high power contacts 20 A

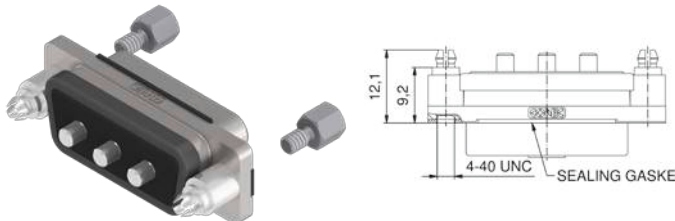
Solder pin straight
 Precision machined contacts

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

	No. of poles	Current rating high power contacts [A]	Betriebsspannung [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	3W3	20	250	3	15-007083	15-007213
	5W5				15-007093	15-007223

One-piece zinc die-cast nickel plated shell
 Quality class 3 (A) = 50 mating cycles
 Stainless steel hex bolts are supplied loose
 On request:
 • Quality class 1 (C) = 500 mating cycles

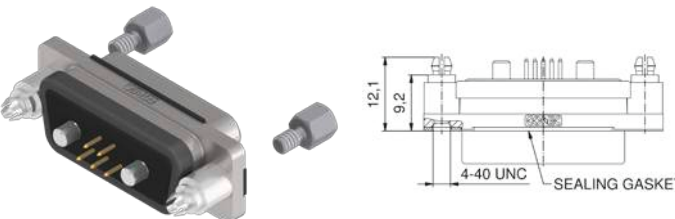
4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm, coded version

	No. of poles	Current rating high power contacts [A]	Betriebsspannung [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	2W2C	20	250	3	15-007063	
	3W3C				15-007073	15-007203

IP67 COMBINATION D-SUB CONNECTORS
CONEC SlimCon with signal contacts & high power contacts 20 A

Solder pin straight
 Precision machined contacts

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

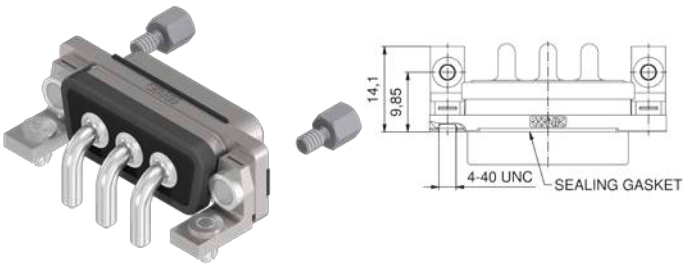
	No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	7W2	75 (UL) / 5 (CSA VDE)	20	250	3	15-007103	15-007233

One-piece zinc die-cast nickel plated shell
 Quality class 3 (A) = 50 mating cycles
 Stainless steel hex bolts are supplied loose
 On request:
 • Quality class 1 (C) = 500 mating cycles

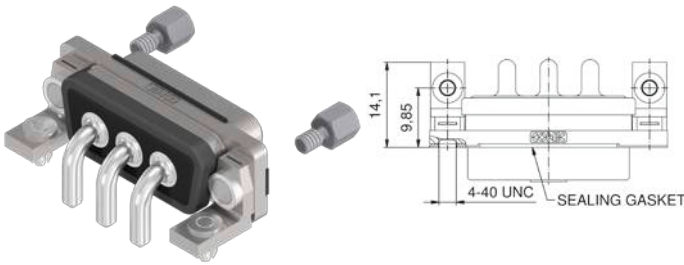
IP67 COMBINATION D-SUB CONNECTORS CONEC SlimCon with high power contacts 20 A

Solder pin angled
Precision machined contacts, metal bracket

Mounting bracket PCB clip

	No. of poles	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	3W3	20	250	3	15-007353	15-007483
	5W5				15-007363	15-007493

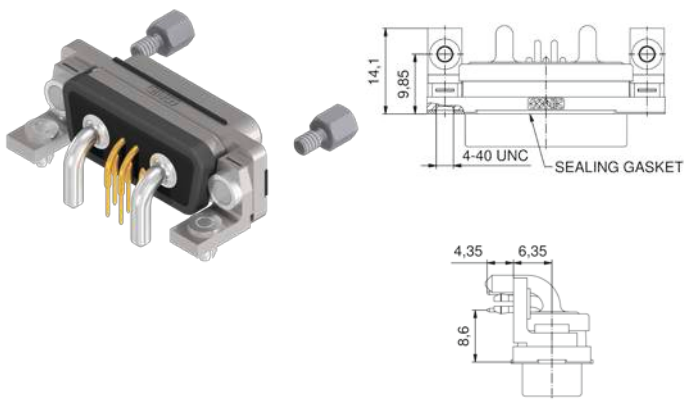
Mounting bracket PCB clip, coded version

	2W2C	20	250	3	15-007333	
	3W3C				15-007343	15-007483

IP67 COMBINATION D-SUB CONNECTORS CONEC SlimCon with signal contacts & high power contacts 20 A

Solder pin angled, .338" / 8.6 mm
Precision machined contacts, metal bracket

Mounting bracket PCB clip

	No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	7W2	75 (UI) / 5 (CSA VDE)	20	250	3	15-007373	15-007503

One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

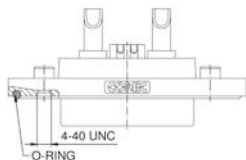
One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

IP67 COMBINATION D-SUB CONNECTORS

Solid Body with signal & high power contacts 20 A

Solder cup straight
Precision machined contacts, AWG 20 and AWG 12-14

4-40 UNC threaded insert

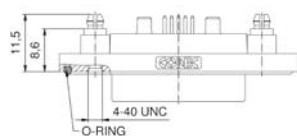


No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UI) / 5 (CSA VDE)	20	250	3	15-005063	15-005193
7W2					15-001103	15-004643
11W1					15-005073	15-005203
9W4					15-005083	15-005213
13W3					15-004563	15-004553
17W2					15-004453	15-004543
21W1					15-005093	15-005223
13W6					15-005103	15-005233
17W5					15-005113	15-005243
21WA4					15-005123	15-005253
25W3					15-005133	15-005263
27W2					15-005143	15-005273
24W7					15-005153	15-005283
36W4					15-005163	15-005293
43W2					15-005173	15-005303
47W1					15-005183	15-005313

One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

Solder pin straight
Precision machined contacts

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm



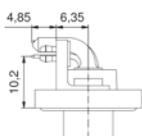
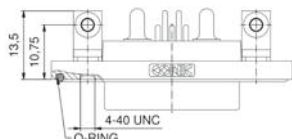
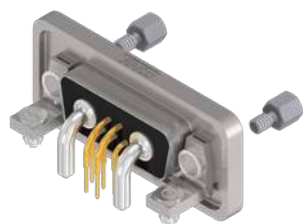
No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UI) / 5 (CSA VDE)	20	250	3	15-005323	15-005473
7W2					15-001823	15-001863
11W1					15-005333	15-005483
9W4					15-005343	15-005493
13W3					15-005353	15-005503
17W2					15-005363	15-005513
21W1					15-005373	15-005523
13W6					15-005383	15-005533
17W5					15-005393	15-005543
21WA4					15-005403	15-005553
25W3					15-005413	15-005563
27W2					15-005423	15-005573
24W7					15-005433	15-005583
36W4					15-005443	15-005593
43W2					15-005453	15-005603
47W1					15-005463	15-005613

IP67 COMBINATION D-SUB CONNECTORS

Solid Body with signal & high power contacts 20 A

Solder pin angled, .402"/10.2 mm
Precision machined contacts, metal bracket

Mounting bracket PCB clip



No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UL) / 5 (CSA VDE)	20	250	3	15-005623	15-005763
7W2					15-001463	15-001503
11W1					15-005633	15-005773
9W4					15-005643	15-005783
13W3					15-005653	15-005793
17W2					15-005663	15-002323
21W1					15-005673	15-005803
13W6					15-005683	15-005813
17W5					15-005693	15-005823
21W4					15-005703	15-005833
25W3					15-005713	15-002333
27W2					15-005723	15-005843
24W7					15-005733	15-005853
36W4					15-005743	15-002293
43W2					15-004593	15-005863
47W1					15-005753	15-005873

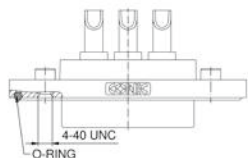
One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

IP67 COMBINATION D-SUB CONNECTORS

Solid Body with high power contacts 20 A

Solder cup straight
Precision machined contacts, AWG 12-14

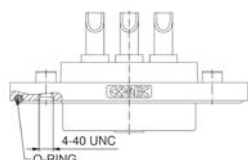
4-40 UNC threaded insert



No. of poles	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
3W3	20	250	3	15-001083	15-001123
5W5				15-001093	15-001133
8W8				15-001613	15-001653

One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

4-40 UNC threaded insert, coded version



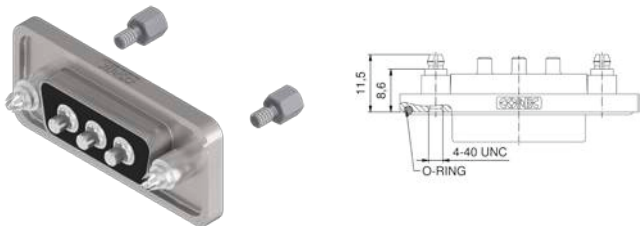
2W2C	20	250	3	15-001063	
3W3C				15-001073	15-001113

IP67 COMBINATION D-SUB CONNECTORS

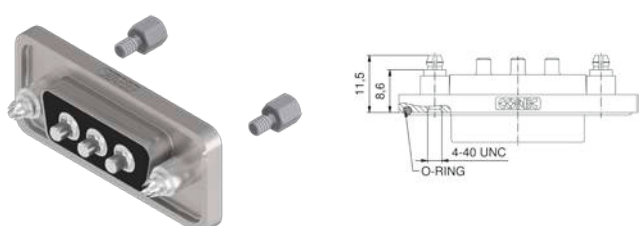
Solid Body with high power contacts 20 A

Solder pin straight
Precision machined contacts

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

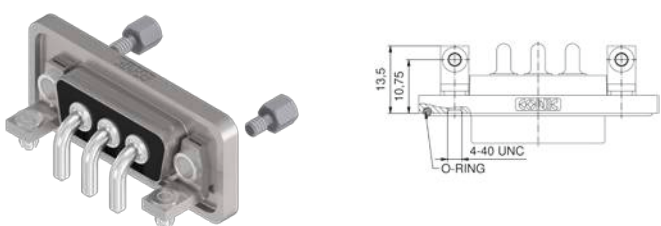
	No. of poles	Current rating high power contacts [A]	Betriebsspannung [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	3W3	20	250	3	15-001803	15-001843
	5W5				15-001813	15-001853
	8W8				15-002023	

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

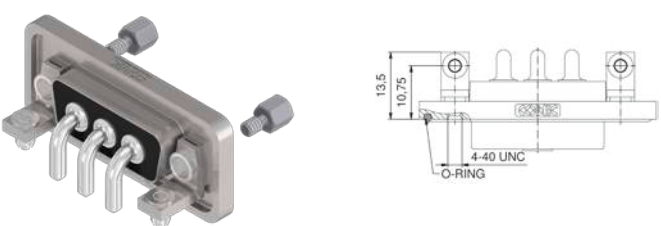
	8W8	20	250	3	15-001783	15-001833
	3W3C				15-001793	15-005883

Solder pin angled
Precision machined contacts, metal bracket

Mounting bracket PCB clip

	No. of poles	Current rating high power contacts [A]	Betriebsspannung [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	3W3	20	250	3	15-001443	15-001483
	5W5				15-001453	15-001493
	8W8				15-001963	15-001993

Mounting bracket PCB clip

	2W2C	20	250	3	15-001423	
	3W3C				15-001433	15-001473

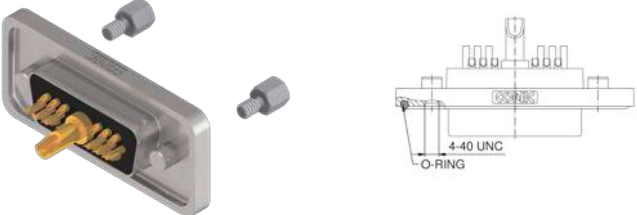
One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

IP67 COMBINATION D-SUB CONNECTORS

Solid Body with signal & high power contacts 20 A

Solder cup straight
Precision machined contacts, AWG 12-14

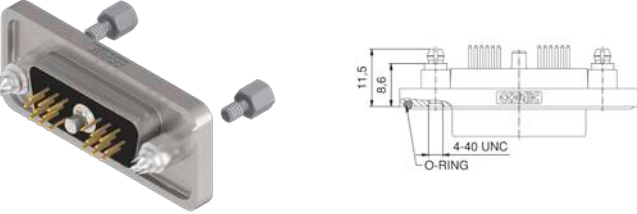
4-40 UNC threaded insert

	No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	15W4	3 (UL VDE) / 2.5 (CSA)	20	60	3	15-005893	15-005923
	19W1					15-005903	15-005933
	45W2					15-005913	15-005943

One-piece zinc die-cast nickel plated shell
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Quality class 1 (C) = 500 mating cycles

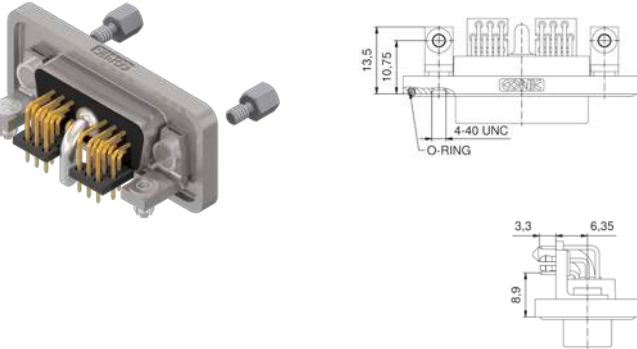
Solder pin straight
Precision machined contacts

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

	No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	15W4	3 (UL VDE) / 2.5 (CSA)	20	60	3	15-005953	15-005983
	19W1					15-005963	15-005993
	45W2					15-005973	15-006003

Solder pin angled
Precision machined contacts, metal bracket

Mounting bracket PCB clip

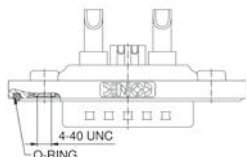
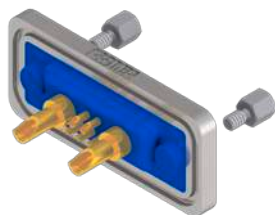
	No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	Quality class	Part No. Socket contact	Part No. Plug contact
	15W4	3 (UL VDE) / 2.5 (CSA)	20	60	3	15-006013	15-006043
	19W1					15-006023	15-006053
	45W2					15-006033	15-006063

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 10 A

Solder cup
Precision machined contacts, AWG 20

4-40 UNC threaded insert



For other Power contacts select code from spread sheet

Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UII) / 5 (CSA, VDE)	10	250	E202784	3	6005W1SAM61B30X	6005W1PAM61B30X
7W2						6007W2SAM61B30X	6007W2PAM61B30X
11W1						6011W1SAM61B30X	6011W1PAM61B30X
9W4						6009W4SAM61B30X	6009W4PAM61B30X
13W3						6013W3SAM61B30X	6013W3PAM61B30X
17W2						6017W2SAM61B30X	6017W2PAM61B30X
21W1						6021W1SAM61B30X	6021W1PAM61B30X
13W6						6013W6SAM61B30X	6013W6PAM61B30X
17W5						6017W5SAM61B30X	6017W5PAM61B30X
21W4						621WA4SAM61B30X	621WA4PAM61B30X
25W3						6025W3SAM61B30X	6025W3PAM61B30X
27W2						6027W2SAM61B30X	6027W2PAM61B30X
24W7						6024W7SAM61B30X	6024W7PAM61B30X
36W4						6036W4SAM61B30X	6036W4PAM61B30X
43W2						6043W2SAM61B30X	6043W2PAM61B30X
47W1						6047W1SAM61B30X	6047W1PAM61B30X

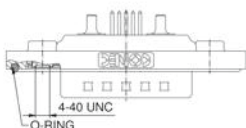
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 20 A

Solder pin straight
Precision machined contacts

4-40 UNC threaded insert



For other Power contacts select code from spread sheet

Code	Current rating	Diameter solder pin
68	20 A	1.95
69	20 A	2.60
70	20 A	2.85
71	30 A	3.18
72	40 A	3.75

No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UII) / 5 (CSA, VDE)	20	250	E202784	3	6005W1SAR68B30X	6005W1PAR68B30X
7W2						6007W2SAR68B30X	6007W2PAR68B30X
11W1						6011W1SAR68B30X	6011W1PAR68B30X
9W4						6009W4SAR68B30X	6009W4PAR68B30X
13W3						6013W3SAR68B30X	6013W3PAR68B30X
17W2						6017W2SAR68B30X	6017W2PAR68B30X
21W1						6021W1SAR68B30X	6021W1PAR68B30X
13W6						6013W6SAR68B30X	6013W6PAR68B30X
17W5						6017W5SAR68B30X	6017W5PAR68B30X
21W4						621WA4SAR68B30X	621WA4PAR68B30X
25W3						6025W3SAR68B30X	6025W3PAR68B30X
27W2						6027W2SAR68B30X	6027W2PAR68B30X
24W7						6024W7SAR68B30X	6024W7PAR68B30X
36W4						6036W4SAR68B30X	6036W4PAR68B30X
43W2						6043W2SAR68B30X	6043W2PAR68B30X
47W1						6047W1SAR68B30X	6047W1PAR68B30X

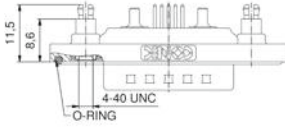
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 20 A

Solder pin straight
Precision machined contacts, threaded rear spacer with PCB clip

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

For other Power contacts select code from spread sheet		
Code	Current rating	Diameter solder pin
68	20 A	1.95
69	20 A	2.60
70	20 A	2.85
71	30 A	3.18
72	40 A	3.75

5W1	75 (UL) / 5 (CSA VDE)	20	250	E202784	3	6005W1SAR68E20X	6005W1PAR68E20X
7W2					3	6007W2SAR68E20X	6007W2PAR68E20X
11W1					3	6011W1SAR68E20X	6011W1PAR68E20X
9W4					3	6009W4SAR68E20X	6009W4PAR68E20X
13W3					3	6013W3SAR68E20X	6013W3PAR68E20X
17W2					3	6017W2SAR68E20X	6017W2PAR68E20X
21W1					3	6021W1SAR68E20X	6021W1PAR68E20X
13W6					3	6013W6SAR68E20X	6013W6PAR68E20X
17W5					3	6017W5SAR68E20X	6017W5PAR68E20X
21W4					3	621WA4SAR68E20X	621WA4PAR68E20X
25W3					3	6025W3SAR68E20X	6025W3PAR68E20X
27W2					3	6027W2SAR68E20X	6027W2PAR68E20X
24W7					3	6024W7SAR68E20X	6024W7PAR68E20X
36W4					3	6036W4SAR68E20X	6036W4PAR68E20X
43W2					3	6043W2SAR68E20X	6043W2PAR68E20X
47W1					3	6047W1SAR68E20X	6047W1PAR68E20X

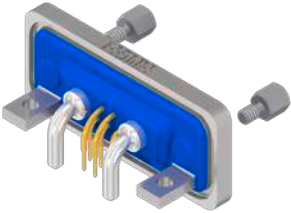
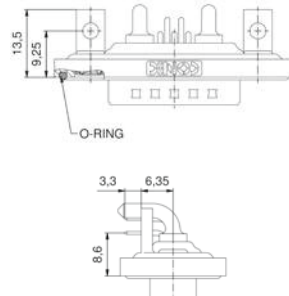
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 15 A

Solder pin angled, .338" / 8.6 mm
Precision machined contacts, metal bracket

4-40 UNC threaded insert

		5W1	75 (UL) / 5 (CSA VDE)	15	250	E202784	3	6005W1SAT59S20X	6005W1PAT59S20X
		7W2					3	6007W2SAT59S20X	6007W2PAT59S20X
		11W1					3	6011W1SAT59S20X	6011W1PAT59S20X
		9W4					3	6009W4SAT59S20X	6009W4PAT59S20X
		13W3					3	6013W3SAT59S20X	6013W3PAT59S20X
		17W2					3	6017W2SAT59S20X	6017W2PAT59S20X
		21W1					3	6021W1SAT59S20X	6021W1PAT59S20X
		13W6					3	6013W6SAT59S20X	6013W6PAT59S20X
		17W5					3	6017W5SAT59S20X	6017W5PAT59S20X
		21W4					3	621WA4SAT59S20X	621WA4PAT59S20X
		25W3					3	6025W3SAT59S20X	6025W3PAT59S20X
		27W2					3	6027W2SAT59S20X	6027W2PAT59S20X
		24W7					3	6024W7SAT81S20X	6024W7PAT81S20X
		36W4					3	6036W4SAT81S20X	6036W4PAT81S20X
		43W2					3	6043W2SAT81S20X	6043W2PAT81S20X
		47W1					3	6047W1SAT81S20X	6047W1PAT81S20X
For other Power contacts select code from spread sheet									
Code	Shellsize	Current rating	Diameter solder pin						
59	1-4	15 A	1.90						
73	1-4	20 A	2.85						
74	1-4	30 A	3.20						
75	1-4	40 A	3.75						
81	5	20 A	2.85						
82	5	30 A	3.20						
85	5	30 A	3.20						
77	5	40 A	3.75						

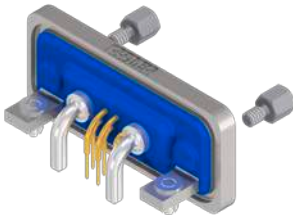
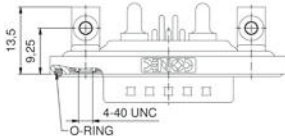
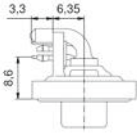
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 15 A

Solder pin angled, .338"/8.6 mm
Precision machined contacts, metal bracket with PCB clip

Clip for PCB 1.6 mm, 4-40 UNC threaded insert

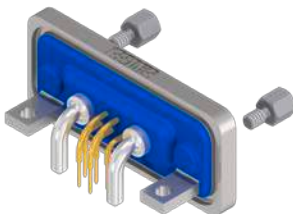
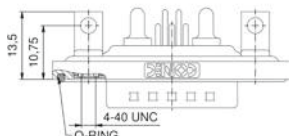
													
For other Power contacts select code from spread sheet													
Code	Shellsize	Current rating	Diameter solder pin										
59	1-4	15 A	1.90										
73	1-4	20 A	2.85										
74	1-4	30 A	3.20										
75	1-4	40 A	3.75										
81	5	20 A	2.85										
82	5	30 A	3.20										
85	5	30 A	3.20										
77	5	40 A	3.75										

5W1	75 (UL) / 5 (CSA VDE)	15	250	E202784	3	6005W1SAT59S40X	6005W1PAT59S40X
7W2					3	6007W2SAT59S40X	6007W2PAT59S40X
11W1					3	6011W1SAT59S40X	6011W1PAT59S40X
9W4					3	6009W4SAT59S40X	6009W4PAT59S40X
13W3					3	6013W3SAT59S40X	6013W3PAT59S40X
17W2					3	6017W2SAT59S40X	6017W2PAT59S40X
21W1					3	6021W1SAT59S40X	6021W1PAT59S40X
13W6					3	6013W6SAT59S40X	6013W6PAT59S40X
17W5					3	6017W5SAT59S40X	6017W5PAT59S40X
21WA4					3	621WA4SAT59S40X	621WA4PAT59S40X
25W3					3	6025W3SAT59S40X	6025W3PAT59S40X
27W2					3	6027W2SAT59S40X	6027W2PAT59S40X
24W7					3	6024W7SAT81S40X	6024W7PAT81S40X
36W4					3	6036W4SAT81S40X	6036W4PAT81S40X
43W2					3	6043W2SAT81S40X	6043W2PAT81S40X
47W1					3	6047W1SAT81S40X	6047W1PAT81S40X

Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

Solder pin angled, .417"/10.6 mm
Precision machined contacts, metal bracket

4-40 UNC threaded insert

		5W1	75 (UL) / 5 (CSA VDE)	15	250	E202784	3	6005W1SAU 59 R20X	6005W1PAU 59 R20X
		7W2					3	6007W2SAU 59 R20X	6007W2PAU 59 R20X
		11W1					3	6011W1SAU 59 R20X	6011W1PAU 59 R20X
		9W4					3	6009W4SAU 59 R20X	6009W4PAU 59 R20X
		13W3					3	6013W3SAU 59 R20X	6013W3PAU 59 R20X
		17W2					3	6017W2SAU 59 R20X	6017W2PAU 59 R20X
		21W1					3	6021W1SAU 59 R20X	6021W1PAU 59 R20X
		13W6					3	6013W6SAU 59 R20X	6013W6PAU 59 R20X
		17W5					3	6017W5SAU 59 R20X	6017W5PAU 59 R20X
		21WA4					3	621WA4SAU 59 R20X	621WA4PAU 59 R20X
		25W3					3	6025W3SAU 59 R20X	6025W3PAU 59 R20X
		27W2					3	6027W2SAU 59 R20X	6027W2PAU 59 R20X
		24W7					3	6024W7SAU 81 R20X	6024W7PAU 81 R20X
		36W4					3	6036W4SAU 81 R20X	6036W4PAU 81 R20X
		43W2					3	6043W2SAU 81 R20X	6043W2PAU 81 R20X
		47W1					3	6047W1SAU 81 R20X	6047W1PAU 81 R20X

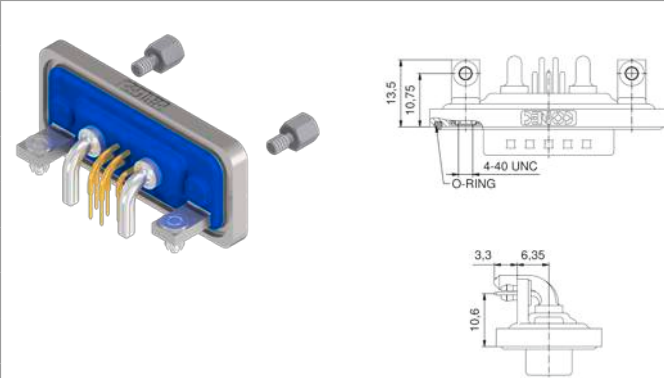
For other Power contacts select code from spread sheet			
Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75
81	5	20 A	2.85
82	5	30 A	3.20
85	5	30 A	3.20
77	5	40 A	3.75

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 15 A

Solder pin angled, .417"/10.6 mm
Precision machined contacts, metal bracket with PCB clip

Clip for PCB 1.6 mm, 4-40 UNC threaded insert



For other Power contacts select code from spread sheet			
Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75
81	5	20 A	2.85
82	5	30 A	3.20
85	5	30 A	3.20
77	5	40 A	3.75

No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UL) / 5 (CSA VDE)	15	250	E202784	3	6005W1SAU59R40X	6005W1PAU59R40X
7W2						6007W2SAU59R40X	6007W2PAU59R40X
11W1						6011W1SAU59R40X	6011W1PAU59R40X
9W4						6009W4SAU59R40X	6009W4PAU59R40X
13W3						6013W3SAU59R40X	6013W3PAU59R40X
17W2						6017W2SAU59R40X	6017W2PAU59R40X
21W1						6021W1SAU59R40X	6021W1PAU59R40X
13W6						6013W6SAU59R40X	6013W6PAU59R40X
17W5						6017W5SAU59R40X	6017W5PAU59R40X
21W4						621WA4SAU59R40X	621WA4PAU59R40X
25W3						6025W3SAU59R40X	6025W3PAU59R40X
27W2						6027W2SAU59R40X	6027W2PAU59R40X
24W7						6024W7SAU81 R40X	6024W7PAU81 R40X
36W4						6036W4SAU81 R40X	6036W4PAU81 R40X
43W2						6043W2SAU81 R40X	6043W2PAU81 R40X
47W1						6047W1SAU81 R40X	6047W1PAU81 R40X

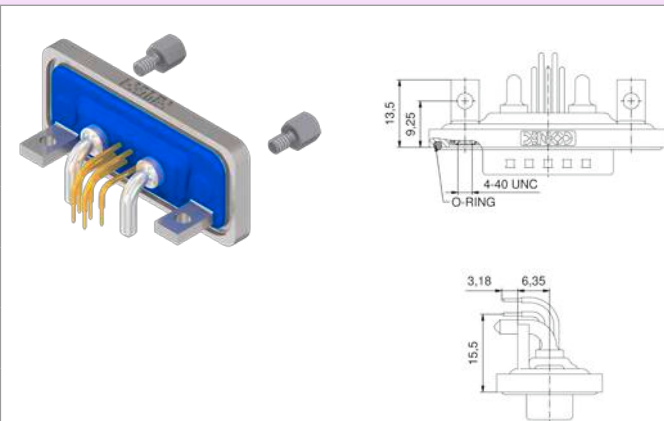
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 15 A

Solder pin angled, .610"/15.5 mm
Precision machined contacts, metal bracket

4-40 UNC threaded insert



For other Power contacts select code from spread sheet			
Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75
81	5	20 A	2.85
82	5	30 A	3.20
85	5	30 A	3.20
77	5	40 A	3.75

No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UL) / 5 (CSA VDE)	15	250	E202784	3	6005W1SAZ59S20X	6005W1PAZ59S20X
7W2						6007W2SAZ59S20X	6007W2PAZ59S20X
11W1						6011W1SAZ59S20X	6011W1PAZ59S20X
9W4						6009W4SAZ59S20X	6009W4PAZ59S20X
13W3						6013W3SAZ59S20X	6013W3PAZ59S20X
17W2						6017W2SAZ59S20X	6017W2PAZ59S20X
21W1						6021W1SAZ59S20X	6021W1PAZ59S20X
13W6						6013W6SAZ59S20X	6013W6PAZ59S20X
17W5						6017W5SAZ59S20X	6017W5PAZ59S20X
21W4						621WA4SAZ59S20X	621WA4PAZ59S20X
25W3						6025W3SAZ59S20X	6025W3PAZ59S20X
27W2						6027W2SAZ59S20X	6027W2PAZ59S20X

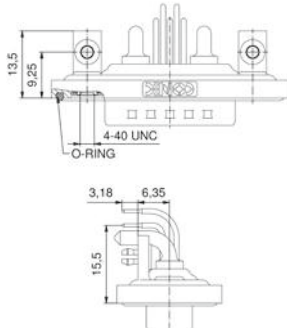
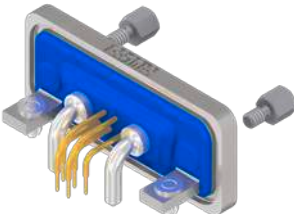
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread
• Shellsize 5 on request

IP67 COMBINATION D-SUB CONNECTORS

With signal & high power contacts 15 A

Solder pin angled, .610" / 15.5 mm
Precision machined contacts, metal bracket with PCB clip

Clip for PCB 1.6 mm, 4-40 UNC threaded insert



For other Power contacts select code from spread sheet			
Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75
81	5	20 A	2.85
82	5	30 A	3.20
85	5	30 A	3.20
77	5	40 A	3.75

5W1	75 (UL) / 5 (CSA VDE)	15	250	E202784	3	6005W1SAZ59S40X	6005W1PAZ59S40X
7W2					3	6007W2SAZ59S40X	6007W2PAZ59S40X
11W1					3	6011W1SAZ59S40X	6011W1PAZ59S40X
9W4					3	6009W4SAZ59S40X	6009W4PAZ59S40X
13W3					3	6013W3SAZ59S40X	6013W3PAZ59S40X
17W2					3	6017W2SAZ59S40X	6017W2PAZ59S40X
21W1					3	6021W1SAZ59S40X	6021W1PAZ59S40X
13W6					3	6013W6SAZ59S40X	6013W6PAZ59S40X
17W5					3	6017W5SAZ59S40X	6017W5PAZ59S40X
21WA4					3	621WA4SAZ59S40X	621WA4PAZ59S40X
25W3					3	6025W3SAZ59S40X	6025W3PAZ59S40X
27W2					3	6027W2SAZ59S40X	6027W2PAZ59S40X

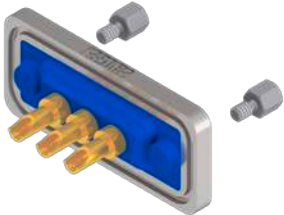
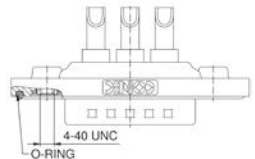
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread
• Shellsize 5 on request

IP67 COMBINATION D-SUB CONNECTORS

With high power contacts 10 A

Solder cup straight
Precision machined contacts

4-40 UNC threaded insert

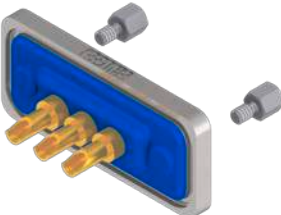
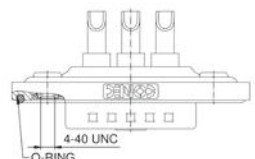
Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

For other Power contacts select code from spread sheet

3W3	10	250	E202784	3	6003W3SXX61B30X	6003W3PXX61B30X
5W5		250			6005W5SXX61B30X	6005W5PXX61B30X
8W8		250			6008W8SXX61B30X	6008W8PXX61B30X

Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

4-40 UNC threaded insert, coded version

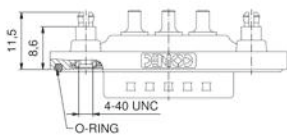
									
For other Power contacts select code from spread sheet									
Code	AWG	Current rating	2W2C	10	250	E202784	3	602W2CSXX61B30X	602W2CPXX61B30X
61	16-20	10 A							
62	12-14	20 A							
			3W3C		250			603W3CSXX61B30X	603W3CPXX61B30X

IP67 COMBINATION D-SUB CONNECTORS

With high power contacts 10 A

Solder pin straight
Precision machined contacts

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm

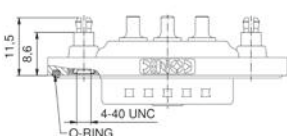


Code	Current rating	Diameter solder pin
68	20 A	1.95
69	20 A	2.60
70	20 A	2.85
71	30 A	3.18
72	40 A	3.75

For other Power contacts select code from spread sheet

3W3		250	E202784	3	6003W3SXX68E20X	6003W3PXX68E20X
5W5	20	250			6005W5SXX68E20X	6005W5PXX68E20X
8W8		250			6008W8SXX68E20X	6008W8PXX68E20X

4-40 UNC front, threaded rear spacer clip for PCB 1.6 mm, coded version



Code	Current rating	Diameter solder pin
68	20 A	1.95
69	20 A	2.60
70	20 A	2.85
71	30 A	3.18
72	40 A	3.75

For other Power contacts select code from spread sheet

2W2C	250	E202784	3	602W2CSXX68E20X	602W2CPXX68E20X
20					
3W3C	250			603W3CSXX68E20X	603W3CPXX68E20X

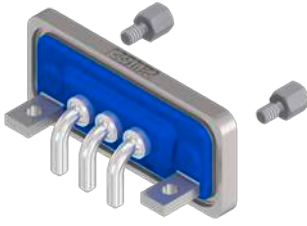
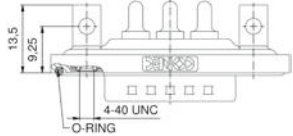
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

With high power contacts 15 A

Solder pin angled
Precision machined contacts, metal bracket

4-40 UNC threaded insert

For other Power contacts select code from spread sheet			
Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75

3W3	15	250	E202784	3	6003W3SXX59S20X	6003W3PXX59S20X
5W5		250			6005W5SXX59S20X	6005W5PXX59S20X
8W8		250			6008W8SXX59S20X	6008W8PXX59S20X

4-40 UNC threaded insert, coded version

For other Power contacts select code from spread sheet

Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75

2W2C

250

602W2CSXX59S20X

602W2CPXX59S20X

15

E202784

3

3W3C

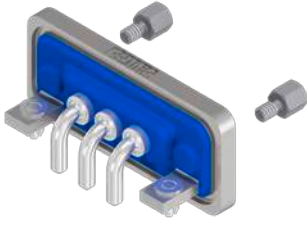
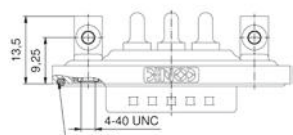
250

603W3CSXX59S20X

603W3CPXX59S20X

Solder pin angled
Precision machined contacts, metal bracket with PCB clip

Clip for PCB 1.6 mm, 4-40 UNC threaded insert

For other Power contacts select code from spread sheet			
Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75

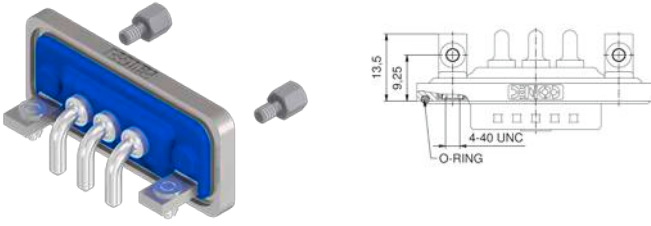
3W3	15	250	E202784	3	6003W3SXX59S40X	6003W3PXX59S40X
5W5		250			6005W5SXX59S40X	6005W5PXX59S40X
8W8		250			6008W8SXX59S40X	6008W8PXX59S40X

IP67 COMBINATION D-SUB CONNECTORS

With high power contacts 15 A

Solder pin angled
Precision machined contacts, metal bracket with PCB clip

Clip for PCB 1.6 mm, 4-40 UNC threaded insert, coded Version



For other Power contacts select code from spread sheet

Code	Shellsize	Current rating	Diameter solder pin
59	1-4	15 A	1.90
73	1-4	20 A	2.85
74	1-4	30 A	3.20
75	1-4	40 A	3.75

2W2C	15	250	E202784	3	602W2CSXX59S40X	602W2CPXX59S40X
3W3C		250			603W3CSXX59S40X	603W3CPXX59S40X

Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS

Without frame, with signal & high power contacts 20 A

Solder cup straight
Precision machined contacts, design for use with hood

Through-hole Ø 3 mm

			9W4	75 (UI) / 5 (CSA VDE)	10	250	E202784	3	4005W1SAM61A10X	4005W1PAM61A10X
			7W2					3	4007W2SAM61A10X	4007W2PAM61A10X
			17W5					3	4011W1SAM61A10X	4011W1PAM61A10X
			9W4					3	4009W4SAM61A10X	4009W4PAM61A10X
			21W1					3	4013W3SAM61A10X	4013W3PAM61A10X
			24W7					3	4017W2SAM61A10X	4017W2PAM61A10X
			27W2					3	4021W1SAM61A10X	4021W1PAM61A10X
			24W7					3	4013W6SAM61A10X	4013W6PAM61A10X
			25W3					3	4017W5SAM61A10X	4017W5PAM61A10X
			21WA4					3	421WA4SAM61A10X	421WA4PAM61A10X
			43W2					3	4025W3SAM61A10X	4025W3PAM61A10X
			47W1					3	4027W2SAM61A10X	4027W2PAM61A10X
			36W4					3	4024W7SAM61A10X	4024W7PAM61A10X
			21WA4					3	4036W4SAM61A10X	4036W4PAM61A10X
			43W2					3	4043W2SAM61A10X	4043W2PAM61A10X
			47W1					3	4047W1SAM61A10X	4047W1PAM61A10X

For other Power contacts select code from spread sheet		
Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

Shell: Brass tin plated
Quality class 3 (A) = 50 mating cycles
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles

IP67 COMBINATION D-SUB CONNECTORS

Without frame, with high power contacts 10 A

Solder cup straight
Precision machined contacts, design for use with hood

Through-hole Ø 3 mm



For other Power contacts select code from spread sheet

Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

No. of poles	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
8W8	10	250	E202784	3	4003W3SXX61A10X	4003W3PXX61A10X
11W1		250			4005W5SXX61A10X	4005W5PXX61A10X
13W3		250			4008W8SXX61A10X	4008W8PXX61A10X

Shell: Brass tin plated
Quality class 3 (A) = 50 mating cycles
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles

Through-hole Ø 3 mm, coded version



For other Power contacts select code from spread sheet

Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

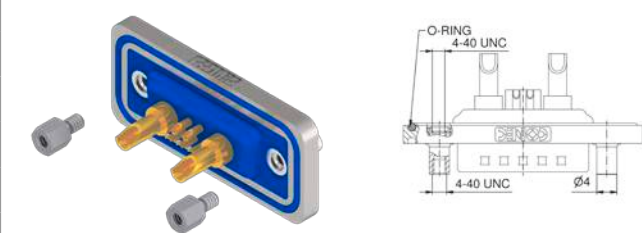
2W2C	10	250	E202784	3	402W2CSXX61A10X	402W2CPXX61A10X
3W3C		250			403W3CSXX61A10X	403W3CPXX61A10X

IP67 COMBINATION D-SUB CONNECTORS

Front panel mounting, with signal & high power contacts

Solder cup straight
Precision machined contacts

Front spacer 4-40 UNC



For other Power contacts select code from spread sheet

Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

No. of poles	Current rating signal contacts [A]	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
5W1	75 (UI) / 5 (CSA VDE)	10	250	E202784	3	6005W1SAM61B50X	6005W1PAM61B50X
7W2					3	6007W2SAM61B50X	6007W2PAM61B50X
11W1					3	6011W1SAM61B50X	6011W1PAM61B50X
9W4					3	6009W4SAM61B50X	6009W4PAM61B50X
13W3					3	6013W3SAM61B50X	6013W3PAM61B50X
17W2					3	6017W2SAM61B50X	6017W2PAM61B50X
21W1					3	6021W1SAM61B50X	6021W1PAM61B50X
13W6					3	6013W6SAM61B50X	6013W6PAM61B50X
17W5					3	6017W5SAM61B50X	6017W5PAM61B50X
21WA4					3	621WA4SAM61B50X	621WA4PAM61B50X
25W3					3	6025W3SAM61B50X	6025W3PAM61B50X
27W2					3	6027W2SAM61B50X	6027W2PAM61B50X
24W7					3	6024W7SAM61B50X	6024W7PAM61B50X
36W4					3	6036W4SAM61B50X	6036W4PAM61B50X
43W2					3	6043W2SAM61B50X	6043W2PAM61B50X
47W1					3	6047W1SAM61B50X	6047W1PAM61B50X

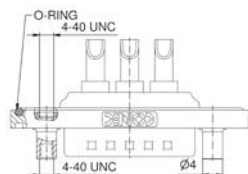
Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

IP67 COMBINATION D-SUB CONNECTORS 20 A

Front panel mounting, with high power contacts

Solder cup straight
Precision machined contacts

Front spacer 4-40 UNC



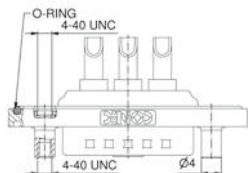
For other Power contacts select code from spread sheet

Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

No. of poles	Current rating high power contacts [A]	Working voltage [V]	UL-File	Quality class	Part No. Socket contact	Part No. Plug contact
3W3		250	E202784	3	6003W3SXX61 B50X	6003W3PXX61 B50X
5W5	10	250			6005W5SXX61 B50X	6005W5PXX61 B50X
8W8		250			6008W8SXX61 B50X	6008W8PXX61 B50X

Shell: Brass tin plated
Nickel plated die-cast frame
Quality class 3 (A) = 50 mating cycles
Stainless steel hex bolts are supplied loose
On request:
• Shell: Stainless steel
• Quality class 1 (C) = 500 mating cycles
• M3 thread

Front spacer 4-40 UNC, coded version



For other Power contacts select code from spread sheet

Code	AWG	Current rating
61	16-20	10 A
62	12-14	20 A

2W2C		250	E202784	3	602W2CSXX61 B50X	602W2CPXX61 B50X
3W3C	10	250			603W3CSXX61 B50X	603W3CPXX61 B50X