

C 091 B



Main Features

- Plastic locking ring; bayonet locking
- Number of contacts: 3 – 8, 12 and 14 contacts
- Internal strain relief
- Good shielding effectiveness when mated and locked
- Male and female cable connectors
 - Straight or right angled
 - Solder connection: 3 – 8, 12 and 14 contacts
 - Crimp connection: 3 – 8 contacts
 - With cable sleeve for max. cable diameter 6 mm, or
 - With cable glands for cable diameter 4 – 6 mm or 6 – 8 mm
- Male and female receptacles
 - Panel mount types for front or rear panel mounting
 - Pcb mount types
 - Solder connection: 3 – 8, 12 and 14 contacts
 - Crimp connection: 3 – 8 contacts
- Coloured back shells optional
- UL registered under file number E 63 093 UL



UNDERWRITERS LABORATORIES INC.

¹⁾ In general approvals refer to representative versions of the connector series.
Test report upon request.

C 091 B

Characteristics

General Characteristics	Standard	Characteristics									
Number of contacts		3	4	5	5 Stereo	6	7	7	8	12	14
View on termination side of contact insert											
Contact arrangement acc. to DIN		41 524	–	–	41 524	45 322	–	45 329	45 326	–	–
Contact arrangement acc. to IEC		60130-9	60130-9	–	60130-9	60130-9	–	60130-9	60130-9	–	–
Electrical Characteristics											
Rated voltage	IEC 60664-1	300 V =			100 V =	300 V =			150 V =		
Rated voltage	UL 1977	250 V								60 V	
Rated impulse withstand voltage	IEC 60664-1	1500 V			1200 V	1500 V			1200 V		
Pollution degree	IEC 60664-1	1									
Installation category	IEC 60664-1	I									
Insulation group	IEC 60664-1	III CTI ≤ 175									
Test voltage	IEC 60664-1	980 V ~			670 V ~	980 V ~			670 V ~		
Current rating	IEC 60512-5-2 Test 5 b UL 1977	5 A / + 40 °C / + 104 °F								3 A / + 40 °C / + 104 °F	
Insulation resistance	IEC 60512-3-1 Test 3 a	> 10 ¹⁰ Ω									
Contact resistance	IEC 60512-2-1 Test 2 a	< 5 m Ω									
Climatic Characteristics											
Climatic category	IEC 60668-1	40 / 85 / 56									
Temperature range	IEC 60668-1	- 40 °C ... + 85 °C / - 40 °F ... + 185 °F									
Mechanical Characteristics											
IP-degree	IEC 60529	IP 40									
Insertion and withdrawal forces	IEC 60512-13-2 Test 13 b	25 N 90.oz	30 N 110.oz	35 N 125.oz	50 N 180.oz	55 N 200.oz	60 N 220.oz	50 N 180.oz			
Mechanical operation	IEC 60512-9-1 Test 9 a	Silver ≥ 500 mating cycles Gold ≥ 1000 mating cycles									
Materials											
Housing material		die cast, nickel plated									
Dielectric material		thermoplastic									
Contact plating		silver plated / gold plated *									
Further Characteristics											
Termination technique		solder, crimp								solder	
Wire gauge		solder ≤ 0,5 mm ² (20-26 AWG), crimp 0,14 – 0,75 mm ² (26-18 AWG)								≤ 0,25 mm ² /24 AWG	
Flammability		UL 94 V0									
Locking system		bayonet									
UL	UL 1977	Conditions of acceptability									

Caution: Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.

* **Remark for gold plated contacts:** In order to avoid brittle inter-metallic connections, gold-plated terminals have to be tin-plated in the solder area.

IEC 60 664 ≙ DIN VDE 0110 ; IEC 60 512-x ≙ DIN EN 60 512-x

C 091 B

Male cable connector,
bayonet locking inside



Cable diameter 3-6 mm



Cable diameter 6-8 mm



Cable diameter 4-6 mm



Right-angled

Description	Drawing	No. of cont.	Part Number solder termination		Part Number Crimp termination ¹⁾		
			Contact plating silver	Contact plating gold ²⁾			
Male cable connector, for cable diameter 3-6 mm, termination: solder or crimp, contact plating: silver or gold, cable sleeve: black.		3 ³⁾	T 3274 501	T 3274 518	T 3274 551		
		4 ³⁾	T 3324 501	T 3324 518	T 3324 551		
		5	T 3374 501	T 3374 518	T 3374 551		
		5 S ³⁾	T 3394 501	T 3394 518	T 3394 551		
		6 ³⁾	T 3424 501	T 3424 518	T 3424 551		
		7	T 3434 501	T 3434 518 ⁴⁾	T 3434 551		
		7 ³⁾	T 3444 501	T 3444 518 ⁴⁾	T 3444 551 ⁴⁾		
		8 ³⁾	T 3524 501	T 3524 518 ⁴⁾	T 3524 551		
		12	T 3624 501	T 3624 518 ⁴⁾	—		
		14	T 3644 501	T 3644 518	—		
		Male cable connector, for cable diameter 6-8 mm, termination: solder or crimp with clamping ring, contact plating: silver or gold.		3 ³⁾	T 3274 502	T 3274 528 ⁴⁾	T 3274 552
				4 ³⁾	T 3324 502	T 3324 528 ⁴⁾	T 3324 552
				5	T 3374 502	T 3374 528 ⁴⁾	T 3374 552
				5 S ³⁾	T 3394 502	T 3394 528 ⁴⁾	T 3394 552 ⁴⁾
6 ³⁾	T 3424 502			T 3424 528 ⁴⁾	T 3424 552		
7	T 3434 502			T 3434 528 ⁴⁾	T 3434 552		
7 ³⁾	T 3444 502 ⁴⁾			T 3444 528 ⁴⁾	T 3444 552 ⁴⁾		
8 ³⁾	T 3524 502			T 3524 528	T 3524 552 ⁴⁾		
12	T 3624 502			T 3624 528 ⁴⁾	—		
14	T 3644 502			T 3644 528 ⁴⁾	—		
Male cable connector, for cable diameter 4-6 mm, termination: solder or crimp, contact plating: silver or gold.				3 ³⁾	T 3274 504 ⁴⁾	T 3274 548 ⁴⁾	T 3274 554 ⁴⁾
				4 ³⁾	T 3324 504 ⁴⁾	T 3324 548 ⁴⁾	T 3324 554 ⁴⁾
				5	T 3374 504	T 3374 548 ⁴⁾	T 3374 554 ⁴⁾
				5 S ³⁾	T 3394 504 ⁴⁾	T 3394 548 ⁴⁾	T 3394 554 ⁴⁾
		6 ³⁾	T 3424 504 ⁴⁾	T 3424 548 ⁴⁾	T 3424 554 ⁴⁾		
		7	T 3434 504 ⁴⁾	T 3434 548 ⁴⁾	T 3434 554 ⁴⁾		
		7 ³⁾	T 3444 504 ⁴⁾	T 3444 548 ⁴⁾	T 3444 554 ⁴⁾		
		8 ³⁾	T 3524 504 ⁴⁾	T 3524 548	T 3524 554 ⁴⁾		
		12	T 3624 504 ⁴⁾	T 3624 548 ⁴⁾	—		
		14	T 3644 504 ⁴⁾	T 3644 548 ⁴⁾	—		
		Male cable connector, right-angled, for cable diameter 3-6 mm, termination: solder or crimp, contact plating: silver or gold, cable sleeve: black.		3 ³⁾	T 3274 005	T 3274 058	T 3274 055 ⁴⁾
				4 ³⁾	T 3324 005	T 3324 058	T 3324 055 ⁴⁾
				5	T 3374 005	T 3374 058	T 3374 055
				5 S ³⁾	T 3394 005	T 3394 058 ⁴⁾	T 3394 055 ⁴⁾
6 ³⁾	T 3424 005			T 3424 058 ⁴⁾	T 3424 055		
7	T 3434 005			T 3434 058 ⁴⁾	T 3434 055 ⁴⁾		
7 ³⁾	T 3444 005 ⁴⁾			T 3444 058 ⁴⁾	T 3444 055 ⁴⁾		
8 ³⁾				T 3524 058 ⁴⁾	T 3524 055 ⁴⁾		
12	T 3624 005			T 3624 058 ⁴⁾	—		
14	T 3644 005			T 3644 058 ⁴⁾	—		

¹⁾ Please order crimp contacts separately, see page 43

²⁾ see remark page 20

³⁾ Contact order for DIN EN 60 130-9

⁴⁾ Available upon request.