

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.

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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 mm² (20-26 AWG), crimp 0,14 – 0,75 mm² (26-18 AWG)								≤ 0,25 mm²/24 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

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**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.