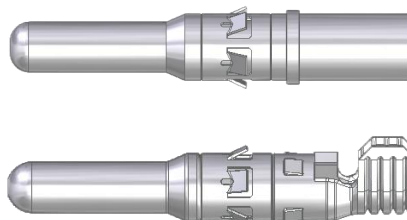


Datasheet

DC connector,1500V

BC03D,female,terminals crimping,non rewirable. housing color,black



Art.No.	BC03D-F-D17
Order unit	PCS

Approvals



Technical data

General

Rated current	40A (TUV , CSA)
Rated voltage	1500V DC (TUV , CSA)
Contact resistance	$\leq 0.5\text{m}\Omega$
Insulation resistance	$\geq 400\text{M}\Omega$
Rated impulse withstand voltage	8000V
Over-voltage category	III
Pollution degree	2
Waterproof Rating	IP67 (mated)
Flammability Rating	UL94-V0
IEC protection class	II
Rated temperature	-40°C~+85°C
Maximum operating temperature	115°C

Connection Data

Number of contacts	01 Pin
Applicable wire gauge	2.5/4/6.0mm ² or 14/12/10AWG
Outer cable diameter	4.5~7.8mm

Model

Connector Gender	Female
Backshell Assembly Style	Straight crimp
Fixed thread metric	M12
Size of panel cutout	Φ 12.3+0.2/0
Length of screw body	17mm

Material

Housing material	PA66 (Nylon)
Contact Material	Red Copper(punching) / CuZn alloy(cutting)
Contact Surface	Tin-plated
Sealing gasket	Silicon
Outer hexagon nut material	PC (Polycarbonate)/PA66 (Nylon) Optional

Standards

EN 62852: 2014	IEC - Safety requirements and tests
UL6703	USA and Canada - Safety requirements and tests
RoHS compliant	Yes

Dimensions

Length	55.5mm
Width	22.0mm
Height	20.0mm
Weight	8.3g

REV. 03
2023.12.19

Wuxi Betteri Electronic Technology CO.,LTD. | Wuxi Optoelectronic Materials

Science&Technology Pack 5-1,#11,Jinshan Rd.Branch#4,Wuxi,China | Tel : 0086-0510-88771606

Fax : 0086-0510-88770676 | Zip code : 214037 | Website <http://www.betteri.cn>

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