

Series VZ100/300/500

Attaching and Detaching Lead Wires with Sockets

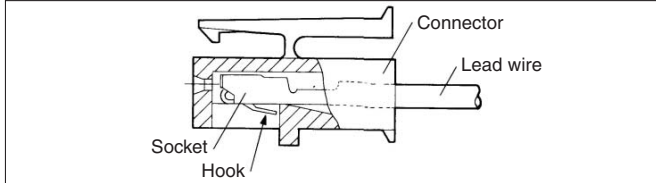
⚠ Caution

1. Attaching

Insert the sockets into the square holes of the connector (with + and - indication) and, continue to push the sockets all the way in until the lock by hooking into the seats in the connector. (When they are pushed in, their hooks open and they are locked automatically.) Then confirm that they are locked by pulling lightly on the lead wires.

2. Detaching

To detach a socket from a connector, pull out the lead wire while pressing the socket's hook with a stick having a thin tip (approx. 1 mm). If the socket will be used again, first spread the hook outward.



How to Use DIN Terminal

Connection

- Loosen the set screw and pull out the connector from the terminal block of the solenoid.
- Pull out screw and insert a screwdriver to the slit area near the bottom of terminal block to separate block and housing.
- Loosen the terminal screws (slotted screws) on the terminal block, insert the core of the lead wire into the terminal in accordance with the prescribed connection method, and attach securely with the terminal screws.
- Tighten the ground nut to secure the wire.

Change of electrical entry (Orientation)

After separating terminal block and housing, the cord entry direction can be changed by attaching the housing in the desired direction (4 directions in 90° increments).

* In the case of w/ indicator light, avoid damaging the indicator light with lead wire.

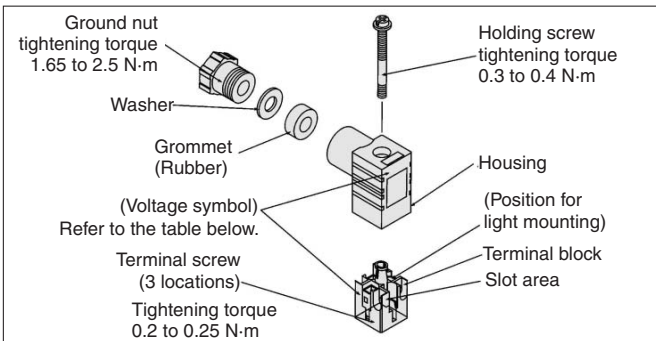
Precautions

Plug a connector in or out vertically, never at an angle.

Applicable cable

O.D.: $\phi 3.5$ to $\phi 7$

(Reference) 0.5 mm² 2 core and 3 core wires equivalent to JIS C 3306.



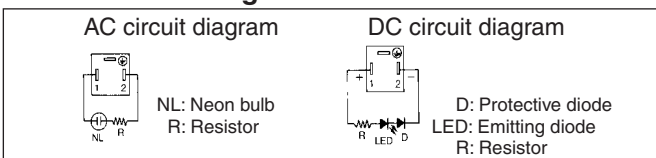
DIN Terminal Part No.

Without indicator light	DXT170-176-1
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With Indicator Light

Rated voltage	Voltage symbol	Part no.
100 VAC	100V	DXT170-176-2-01
200 VAC	200V	DXT170-176-2-02
110 VAC	110V	DXT170-176-2-03
220 VAC	220V	DXT170-176-2-04
240 VAC	240V	DXT170-176-2-07
6 VDC	6VD	DXT170-176-3-51
12 VDC	12VD	DXT170-176-3-06
24 VDC	24VD	DXT170-176-3-05
48 VDC	48VD	DXT170-176-3-53

Connector with Light Circuit



Plug Connector Lead Wire Length

Standard length is 300 mm, but the following lengths are also available.

How to Order Connector Assembly

DXT170-80- A -

Lead wire color

Symbol	Lead wire with socket	Note
Nil	Socket only (2 pcs.)	Without lead wire
1	Blue (2)	For 100 VAC
2	Red (2)	For 200 VAC
3	Gray (2)	Another VAC
4	Red: +, Black: -	For DC

Lead wire length

Symbol	Lead wire length L mm
Nil	300
6	600
10	1000
15	1500
20	2000
25	2500
30	3000

How to Order

Include the connector assembly part number together with the part number for the plug connector's solenoid valve without connector.

(Example) 2000 mm lead wire length.

VZ312-5M0-M5.....2 pcs.

DXT170-80-4A-20.....2 pcs.

Connector Assembly with Protective Cover

Connector assembly with protective cover enhances dust protection.

- Effective to prevent short circuit accidents due to penetration of foreign matter into the connector section.
- The material of cover is chloroprene rubber for electricity which is excellent in weathering and electrical insulating properties. But don't splash with cutting oil.
- Simple and unencumbered appearance by adopting round-shaped cord.

How to Order

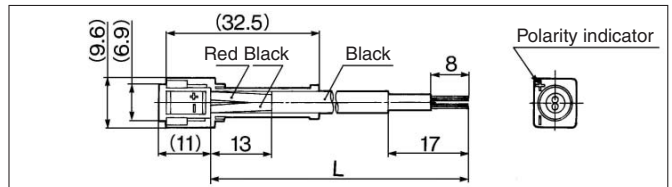
DXT170-123- A -

Lead wire length

Symbol	Lead wire length L mm
Nil	300
6	600
10	1000
15	1500

Symbol	Lead wire length L mm
20	2000
25	2500
30	3000

Dimensions: Connector Assembly with Cover



How to Order Solenoid Assembly

DXT170- C - 5 L

Applicable model

A	For VZ110
C	For Series VZ300/500
E	For VZ120

Coil rated voltage

1	100 VAC, 50/60 Hz
2	200 VAC, 50/60 Hz
3*	110 VAC, 50/60 Hz
4*	220 VAC, 50/60 Hz
5	24 VDC
6*	12 VDC
9*	Other

* Option

Light/Surge voltage suppressor

Nil	None
Z*	With light/surge voltage suppressor
S	With surge voltage suppressor

* Indicator light is not available for grommet type.

Electrical entry

G	Grommet (Lead wire: 300 mm)
H	Grommet (Lead wire: 600 mm)
L	L plug connector
LN	Without lead wire
LO	Without connector
M	M plug connector
MN	Without lead wire
MO	Without connector
D	DIN terminal
DO	Without connector

How to Calculate the Flow Rate

For obtaining the flow rate, refer to page 4-1-6.