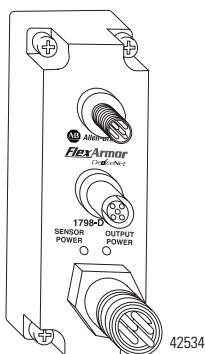




Installation Instructions

FlexArmor DeviceNet Field Termination Plug

Catalog Number 1798-DFTP1 & -DFTP2



The FlexArmor Field Termination Plug (Cat. No. 1798-DFTP1 & -DFTP2) serves as the user connection point for the two field power busses (sensor power and output power) as well as the DeviceNet™ network.

The connection point for the field power is capable of conducting a maximum of 2.5A for the Sensor Power Bus and a maximum of 10A for the Output Power Bus.

Package Contents

Your package contains:

- 1 FlexArmor DeviceNet Field Termination Plug (DFTP)
- installation instructions

(Note: Baseplates and other components are ordered and shipped separately.)

European Union Directive Compliance

If this product has the CE mark it is approved for installation within the European Union and EEA regions. It has been designed and tested to meet the following directives.

EMC Directive

This product is tested to meet Council Directive 89/336/EEC Electromagnetic Compatibility (EMC) and the following standards, in whole or in part, documented in a technical construction file:

- EN 50081-2 EMC - Generic Emission Standard, Part 2 - Industrial Environment
- EN 50082-2 EMC - Generic Immunity Standard, Part 2 - Industrial Environment

This product is intended for use in an industrial environment.

Low Voltage Directive

This product is tested to meet Council Directive 73/23/EEC Low Voltage, by applying the safety requirements of EN 61131-2 Programmable Controllers, Part 2 - Equipment Requirements and Tests.

For specific information required by EN 61131-2, see the appropriate sections in this publication, as well as the following Allen-Bradley publications:

- Industrial Automation Wiring and Grounding Guidelines For Noise Immunity, publication 1770-4.1
- Automation Systems Catalog, publication B113

Related Publications

For software configuration information, refer to the 1798-ADN User Manual, publication 1798-UM001A-US-P.

Install Your DeviceNet Field Termination Plug

To install the module:

- Mount the DFTP
- Connect external wiring

These steps are explained in more detail in the following procedures.

For instructions on how to mount the FlexArmor Baseplate, refer to publication no. 1798-IN003A-EN-P.

Mount the Field Termination Plug

To mount the Field Termination Plug:

1. Place the DFTP on the left-most slot of the Baseplate.
2. Tighten the 4 screws on the DFTP.

IMPORTANT

Torque the screws to 0.5-0.7 Nm. (4.43 - 6.2 inch pounds).

Connect External Wiring

Connect external wiring to the DFTP as shown below.

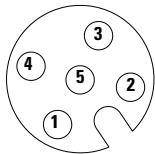
1. Connect the DeviceNet cable to the DFTP as shown.

Connect	Connector Pin	To
BLK Wire	3	-V
BLU Wire	5	CAN* Low
Bare Wire	1	Drain

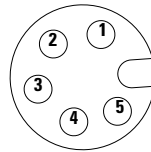
4 FlexArmor DeviceNet Field Termination Plug

Connect	Connector Pin	To
WHT Wire	4	CAN High
RED Wire	2	+V

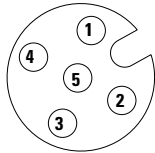
*CAN=Controller Area Network



M12 Male connector (In)

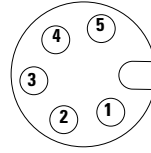


M18 Male connector (In)



M12 Female connector (Daisy Chain Out)

42538



M18 Female connector (Daisy Chain Out)

42653

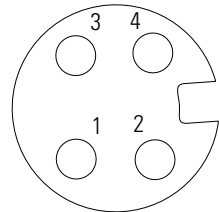
DFTP1

DFTP2

2. Insert connector into mating connector on the DeviceNet FTP module.
3. Connect 24V dc power to sensor voltage for adapter and input module power.

Connect 24V dc power to output voltage for output module power.

Pin	Function
1	Output Power +
2	Sensor Power +
3	Sensor Power -
4	Output Power -




Troubleshooting with the Indicators

The table describes status indicators on the Field Termination Plug.

Indicator	Status
Green Off	Power ON Power OFF or reverse polarity

DeviceNet Field Termination Plug Specifications

Following are specifications for the DeviceNet Field Termination Plug

Voltage Rating	28.8V dc maximum
Sensor and Adapter Current	2.5A maximum
Output Current	10A maximum
Sensor/Output Voltage	10-28.8V dc
Sensor/Output Power Connector	0.875 in male
Dimensions (H x D x W)	121 mm x 36.3 mm x 42 mm 4.75 in. x 1.43 in. x 1.65 in.
Environmental Conditions Operational Temperature Storage Temperature Shock Operating Non-operating Vibration	-20 to 60°C (-4 to 140°F) -40 to 85°C (-40 to 185°F) 30g peak acceleration, 11(±1) ms pulse width 50g peak acceleration, 11(±1) ms pulse width Tested 5g @ 10-500 Hz per IEC 68-2-6
Conductors	See publication DN-6.7.2
Enclosure	Meets IP67
Agency Certification (When product is marked)	CUL listed UL Hazardous Class 1, Division 2, Groups A, B, C, D certified CE marked for all applicable directives  marked for all applicable acts N223

Hazardous Location Approval

The following information applies only to products marked with Hazardous Location Approval, when operating in hazardous locations:

Products marked “CL I, DIV 2, GP A, B, C, D” are suitable for use in Class I Division 2 Groups A, B, C, D, Hazardous Locations and nonhazardous locations only. Each product is supplied with markings on the rating nameplate indicating the hazardous location temperature code. When combining products within a system, the most adverse temperature code (lowest “T” number) may be used to help determine the overall temperature code of the system. Combinations of equipment in your system are subject to investigation by the local Authority Having Jurisdiction at the time of installation.

WARNING**EXPLOSION HAZARD -**

- Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous.
 - Do not disconnect connections to this equipment unless power has been removed or the area is known to be nonhazardous. Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product.
 - Substitution of components may impair suitability for Class I, Division 2.
 - If this product contains batteries, they must only be changed in an area known to be nonhazardous.
-

WARNING

Use supply wires suitable for 30°C above surrounding ambient.

WARNING

When used in a Class I, Division 2, hazardous location, this equipment must be mounted in a suitable enclosure with proper wiring method that complies with the governing electrical codes.

Les informations suivantes ne concernent que les produits marqués pour une utilisation en environnements dangereux :

Les produits marqués « CL I, DIV 2, GP A, B, C, D » ne conviennent qu'à une utilisation en environnements de Classe I Division 2 Groupes A, B, C, D dangereux et non dangereux. Chaque produit est livré avec des marquages sur sa plaque d'identification qui indiquent le code de température pour les environnements dangereux. Lorsque plusieurs produits sont combinés dans un système, le code de température le plus défavorable (code de température le plus faible) peut être utilisé pour déterminer le code de température global du système. Les combinaisons d'équipements dans le système sont sujettes à inspection par les autorités locales qualifiées au moment de l'installation.

AVERTISSEMENT**RISQUE D'EXPLOSION -**

- Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher l'équipement.
- Couper le courant ou s'assurer que l'environnement est classé non dangereux avant de débrancher les connecteurs. Fixer tous les connecteurs externes reliés à cet équipement à l'aide de vis, loquets coulissants, connecteurs filetés ou autres moyens fournis avec ce produit.
- La substitution de composants peut rendre cet équipement inadapté à une utilisation en environnement de Classe I, Division 2.
- S'assurer que l'environnement est classé non dangereux avant de changer les piles.

AVERTISSEMENT

Utiliser des fils d'alimentation qui conviennent à une température de 30°C au-dessus de la température ambiante.

AVERTISSEMENT

Pour une utilisation en environnement de classe i, division 2 dangereux, cet équipement doit être monté dans un boîtier avec un câblage appropriée conforme aux normes électriques en vigueur.

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