This Products Guide describes individual products. Refer to the Guide as necessary.

[Notes on Safety]

Precautions that must be observed in order to use this system safely are indicated as shown below. You must observe these precautions.

A WARNING indicates a potentially hazardous situation which, if not handled correctly, could result in death or serious injury.

A CAUTION indicates a potentially hazardous situation which, if not handled correctly, may result in personal injury or property damage.

○ System Safety
  This system is intended for general industrial applications. It does not have functions for supporting applications requiring higher levels of safety such as safety-related devices or accident prevention systems.
  ○ Always turn off the system power before attempting to mount or replace.
  ○ Prolonged continuous flow of a rated load current or higher or a transit current due to load short-circuit or similar problem, in the hybrid unit including the output unit and the output circuit may result in smoke generation or fire. An external safety device such as a fuse must be installed.

○ System power supply
  Use a stabilized 24V DC power supply. Use of a non-stabilized power supply may cause problems with the system.
  ○ Separately route high-voltage and power cables
    Although the AnyWire System has a high noise margin, keep the transmission line and I/O cables away from high-voltage and power cables.
  ○ Connectors and terminals
    • Pay careful attention to the length and installation of cable wiring to ensure that connectors and cables are neither overloaded nor disconnected.
    • Make sure to prevent any metal objects from getting inside the connectors or the terminal blocks.
    • Short-circuits caused by metal objects or mis-wiring are likely to damage the device.
  ○ Do not impose any external loads on the units. Doing so may cause a failure.
  ○ Do not disconnect or reconnect between the transmission line and slave units when a transmission line is operating.
    A malfunction may occur.
  ○ Use the AnyWire System within the range of the specifications and conditions shown below.

[Features]

In AnyWireASLINK, this is a filter for the 24V line that is used when the side-by-side line of the power supply wire to the 4-wire slave unit exceeds a total length of 50m in 4-wires (DP, DN, 24V, 0V).
This will improve noise resistance, reduce the impact of crosstalk by transmission signals, and stabilize the signals.
A maximum transit current of up to 5A/24V DC is possible.

[Type]

| ANF-01 | Rated voltage: 24V DC, Allowable transit current: Max. 5A |
[Terminal layout]

24V
0V

Protective earth PE

POWER IN (Power supply side)

24V
0V

Protective earth PE

SLAVE (Terminal side)

* PE is connected internally.

① is a terminal cover. When using, pull the cover out toward the terminal side. (The power supply side and the terminal side are the same.)

Pull out the terminal cover by pulling the knob in the direction indicated by the arrow.

[Specifications]

<table>
<thead>
<tr>
<th>Type</th>
<th>ANF-01</th>
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<tr>
<td>Allowable transit current</td>
<td>5A/24V DC</td>
</tr>
<tr>
<td>Connection</td>
<td>M4 screw-up terminal block, Tightening torque: 1.6N·m</td>
</tr>
<tr>
<td>Installation</td>
<td>DIN rail</td>
</tr>
<tr>
<td>Outside dimensions</td>
<td>W92 x H53 x D41 (mm)</td>
</tr>
<tr>
<td>Mass</td>
<td>300g</td>
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<tr>
<td>Ambient temperature for use</td>
<td>0 to 55°C</td>
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[Installation]

This is a DIN rail installation type filter. When installing to the DIN rail, set the hook downward.

[DIN rail installation image]

[Earthing]

Although there are two protective earth (PE) terminal locations, either one or both of them can be connected. Please refrain from earthing through the DIN rail as it may impair obtaining the proper noise attenuation effect.

[Case]

Internal circuit

PE

POWER IN

SLAVE

PE

Installation plate

① is a terminal cover. When using, pull the cover out toward the terminal side. (The power supply side and the terminal side are the same.)

Pull out the terminal cover by pulling the knob in the direction indicated by the arrow.
[How to use]

If any of the side-by-side lines of DP, DN, 24V, or 0V exceeds the total length of 50m in a power supply system to be supplied, serially connect the "ASLINK filter [Type ANF-01]" to 24V and 0V in the starting position of the side-by-side lines.

Insert ANF-01 regardless of side-by-side distance when complying with CE Standard.

Connection example

① Power supply to the entire system

If any of the side-by-side lines of DP, DN, 24V, or 0V exceeds the total length of 50m

② Local power supply/branching

If (A+B) of the side-by-side lines of DP, DN, 24V, or 0V exceeds the total length of 50m
【Outside Dimensions】

Terminal cover knob
6-M4
Installation plate
DIN rail

■ DIN rail installation example

Unit: mm

【中国版RoHS指令】

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人身事故，或损坏财产等情况。

的产品中有害物质的名称及含量

<table>
<thead>
<tr>
<th>部件名称</th>
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</tr>
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<tr>
<td></td>
<td>铅 (Pb)</td>
</tr>
<tr>
<td>安装基板</td>
<td>×</td>
</tr>
<tr>
<td>框架</td>
<td>○</td>
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本表格依据SJ/T11364的规定编制。
○：表示该有害物质在该部件所有均质材料中的含量均在GB/T26572规定的限量要求以下。
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