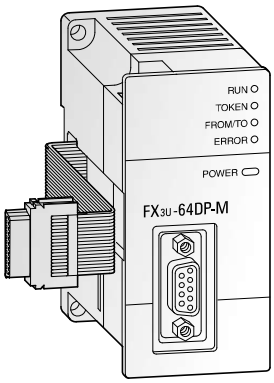
## ■ Network module for Profibus DP

☐ FX3S ☐ FX3G ☐ FX3GC ☐ FX3GE ☑ FX3U ☑ FX3UC ☑ FX5U ☑ FX5UC




### Profibus DP master modul

The Profibus DP master modules FX3U-64DP-M and FX5-DP-M enable you to integrate a MELSEC FX3U/FX3UC or FX5/FX5UC PLC system as a class 1 master of a Profibus DP network.

This interface module provides your base unit with an intelligent Profibus DP link for the implementation of decentralised control tasks.

A FX3U Profibus DP master provides comprehensive data and alarm processing to the Profibus DP V1 standard. The FX3U-64DP-M is easily set up with the GX Configurator-DP software. The FX5-DP-M can be configurated within GX Works3 if the Profibus configuration tool is installed.

| Specifications | | | FX3U-64DP-M | FX5-DP-M |
|---|---|---|---|---|
| Applicable for | | | Base units FX3U, FX3UC | Base units FX5U, FX5UC |
| Module type | | | Master station | |
| Transmission type | | | Bus network | |
| Transmission data | | | 32 byte/slave (normal service mode)<br>244 byte/slave (extended service mode) | |
| Interface | | | Profibus DP (with 9 pole D-SUB connector) | |
| Max. number of master per configuration | | | Max. 1 | |
| Repeaters | | | 3 | |
| Max. number of slaves | | | 64 | |
| Communications speed | | | Profibus standard | |
| Communications distance | | m | Max. 1200 (depends on communication speed) | |
| Communication cable | | | Profibus cable with 9-pin D-SUB connector | |
| Power supply | 5 V DC | | — | |
| | 24 V DC | | Max. 155 mA (from base unit) | 150 mA (from base unit) |
| Related I/O points | | | 8 | |
| Weight | | kg | 0.2 | |
| Dimensions (WxHxD) | | mm | 43x90x87 | 40x90x85.3 |
| **Order information** | | Art. no. | 166085 | 409822 |
| Accessories | | | Profibus connector up to 12 Mbaud: PROFICON-PLUS, art. no. 140008 or PROFICON-PLUS-PG, art. no. 140009 | |

Notes: The FX3U-64DP-M can be used in combination with a FX3U or FX3UC base unit only. To connect this module to a FX3UC base unit, an adapter FX2NC-CNV-IF or a power supply FX3UC-1PS-5V is required.

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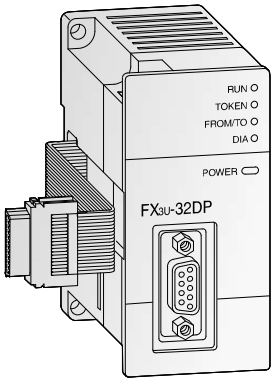


### Profibus DP slave module

The FX3U-32DP Profibus DP slave module is available for FX3G, FX3GC, FX3GE, FX3U and FX3UC series main units and allows the attached FX main unit to function as a slave station on a Profibus DP-V1 network.

Profibus DP-V1 functionality supports extensive alarm processing and messaging on top of standard cyclic data exchange.

| Specifications | | | FX3U-32DP |
|---|---|---|---|
| Module type | | | Slave station |
| Transmission type | | | Bus network |
| Transmission data | | | Max. 144 bytes |
| Interface | | | 9-pin D-SUB for Profibus DP |
| Max. number of slave stations per configuration | | | 8 |
| Communication speed | 5 V DC | | Max. 12 Mbit/s |
| Communication distance | 24 V DC | | Max. 1200 (depends on communication speed) |
| Communication cable | | | Profibus cable with 9-pin D-SUB connector |
| Related I/O points | | | 8 |
| Power supply | | | 24 V DC/145 mA (from base unit) |
| Weight | | kg | 0.2 |
| Dimensions (WxHxD) | | mm | 43x90x89 |
| **Order information** | | Art. no. | 194214 |

Note: To connect a FX3U-32DP to a FX3UC/FX3GC base unit, an adapter FX2NC-CNV-IF or a power supply FX3UC-1PS-5V is required.