

## AFP0RE16T | FP0R Expansion units



※Photo may vary from actual product.

**RoHS compliant**

Product Number	AFP0RE16T
Part Number	AFP0RE16T
Product	FP0R Expansion unit
Product name	FP0R Expansion units

### Spec Detail

As of September 04, 2023

Specifications and design of the products are subject to change without notice for the product improvement.

Item	Specifications
Product Number	AFP0RE16T
Part Number	AFP0RE16T
[[Input specifications]]Rated input voltage	24 V DC
[[Input specifications]]Applied voltage range	21.6 to 26.4 V DC
[[Input specifications]]Rated input current	4.7 mA approx. (at 24 V DC)
[[Input specifications]]Input impedance	5.1 kΩ approx.
[[Input specifications]]Input points per common	8 points / common
[[Input specifications]]Min. ON voltage/ON current	19.2 V / 2 mA
[[Input specifications]]Max. OFF voltage/OFF current	2.4 V / 1.2 mA
[[Input specifications]]Response time : OFF→ON	2 ms or less
[[Input specifications]]Response time : ON→OFF	Same as above
[[Input specifications]]Insulation method	Photocoupler
[[Input specifications]]Remark	Since the response time of X0 to X7 is very fast (for high-speed counter input) the FP0 happens to chattering noise as an input signal. To prevent this, it is recommended that the timer should be put in the ladder program.
[[Output specifications]]Output type	Open collector
[[Output specifications]]Rated load voltage	5 to 24 V DC
[[Output specifications]]Load voltage allowable range	4.75 to 26.4 V DC
[[Output specifications]]Max. load current	0.3 A / point (Max. 14 per common terminal)
[[Output specifications]]OFF state leakage current	1 μA or less
[[Output specifications]]ON state voltage drop	0.2 V DC or less

[[Output specifications]]Response time : OFF→ON	1 ms or less
[[Output specifications]]Response time : ON→OFF	1 ms or less
[[Output specifications]]External power supply : Voltage	21.6 to 26.4 V DC
[[Output specifications]]External power supply : Current	30 mA or less
[[Output specifications]]Surge absorber	Zener diode
[[Output specifications]]Output points per common	8 points / common
[[Output specifications]]Insulation method	Photocoupler

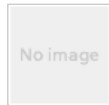
## Accessories



Product Number **AFP0521**

Part Number **AFP0521**

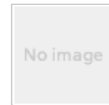
Product name **I/O cable**



Product Number **AFP0523**

Part Number **AFP0523**

Product name **I/O cable**



Product Number **AFP0581**

Part Number **AFP0581**

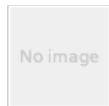
Product name **Power cable**



Product Number **AFP0803**

Part Number **AFP0803**

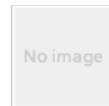
Product name **Mounting plate**



Product Number **AFP0804**

Part Number **AFP0804**

Product name **Mounting plate**



Product Number **AFP0807**

Part Number **AFP0807**

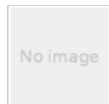
Product name **Wire-press socket**



Product Number **AFP0811**

Part Number **AFP0811**

Product name **Mounting plate**

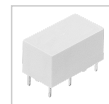


Product Number **AFPX-EFP0**

Part Number **AFPX-EFP0**

Product **Expansion FP0 Adapter**

Product name **Expansion FP0 Adapter**



Product Number **DSP2a-DC12V**

Part Number **AGP2023**

Product name **DS Power Relays**



Product Number **DSP2a-DC24V**

Part Number **AGP2024**

Product name **DS Power Relays**



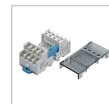
Product Number **AXY52000FP**

Part Number **AXY52000FP**

Product **Pressure contact tool**

Details **Multi-wire connector pressure contact tool**

Product name **Pressure contact tool**



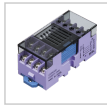
Product Number **RT3BB**

Part Number **AY30000**

Product **4-point Terminal (Without relay type)**

Details **4-point Terminal, 12, 24V DC**

Product name **RT-3 UNIT RELAY (PA-N relay type) /4-POINT TERMINAL (Without relay type)**



Product Number	<b>RT3SP1-12V</b>
Part Number	<b>AY34001</b>
Product	<b>RT-3 Unit relay (PhotoMOS Power type)</b>
Details	<b>Only for DC use. 12V DC type</b>
Product name	<b>RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)</b>



Product Number	<b>RT3SP1-24V</b>
Part Number	<b>AY34002</b>
Product	<b>RT-3 Unit relay (PhotoMOS Power type)</b>
Details	<b>Only for DC use. 24V DC type</b>
Product name	<b>RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)</b>



Product Number	<b>RT3SP2-12V</b>
Part Number	<b>AY35001</b>
Product	<b>RT-3 Unit relay (PhotoMOS Power type)</b>
Details	<b>AC/DC dual use. 12V DC type</b>
Product name	<b>RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)</b>



Product Number	<b>RT3SP2-24V</b>
Part Number	<b>AY35002</b>
Product	<b>RT-3 Unit relay (PhotoMOS Power type)</b>
Details	<b>AC/DC dual use. 24V DC type</b>
Product name	<b>RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)</b>



Product Number	<b>AY3802</b>
Part Number	<b>AY3802</b>
Product	<b>Short circuit plate</b>
Details	<b>For RT-3 Unit relay, With insulator</b>
Product name	<b>Short circuit plate</b>



Product Number	<b>AY3803</b>
Part Number	<b>AY3803</b>
Product	<b>Short circuit plate</b>
Details	<b>For RT-3 Unit relay, Without insulator</b>
Product name	<b>Short circuit plate</b>