

AFP0RE8RM | FP0R Expansion units



※Photo may vary from actual product.

**RoHS
compliant**

Product Number	AFP0RE8RM
Part Number	AFP0RE8RM
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	AFP0RE8RM
Part Number	AFP0RE8RM
[[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	4 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	1a
[[Output specifications]]Rated control capacity	2 A 250 V AC, 2 A 30 V DC (4.5 A / common)
[[Output specifications]]Response time : OFF→ON	10 ms approx.
[[Output specifications]]Response time : ON→OFF	8 ms approx.
[[Output specifications]]Life time : Mechanical	2 x 10 ⁷ operations or more
[[Output specifications]]Life time : Electrical	10 ⁵ operations or more

[[Output specifications]]Surge absorber

None

[[Output specifications]]Output points per common

4 points / common

Accessories



Product Number **AFP0551**

Part Number **AFP0551**

Product name **I/O cable**



Product Number **AFP0553**

Part Number **AFP0553**

Product name **I/O cable**



Product Number **AFP0581**

Part Number **AFP0581**

Product name **Power cable**



Product Number **AFP0801**

Part Number **AFP0801**

Product name **Molex socket**



Product Number **AFP0803**

Part Number **AFP0803**

Product name **Mounting plate**



Product Number **AFP0804**

Part Number **AFP0804**

Product name **Mounting plate**

Discontinued



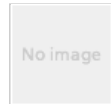
Product Number **AFP0805**

Part Number **AFP0805**

Product **Pressure contact tool**

Details **Molex connector pressure contact tool**

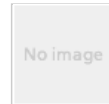
Product name **Pressure contact tool**



Product Number **AFP0811**

Part Number **AFP0811**

Product name **Mounting plate**

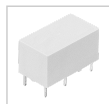


Product Number **AFPX-EFP0**

Part Number **AFPX-EFP0**

Product **Expansion FP0 Adapter**

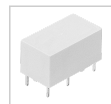
Product name **Expansion FP0 Adapter**



Product Number **DSP2a-DC12V**

Part Number **AGP2023**

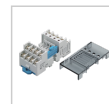
Product name **DS Power Relays**



Product Number **DSP2a-DC24V**

Part Number **AGP2024**

Product name **DS Power Relays**



Product Number **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 **RT3SP1-12V**

Part Number **AY34001**






Product Number **RT3SP1-24V**

Part Number **AY34002**



Product Number **RT3SP2-12V**

Part Number **AY35001**

Product	RT-3 Unit relay (PhotoMOS Power type)	Product	RT-3 Unit relay (PhotoMOS Power type)	Product	RT-3 Unit relay (PhotoMOS Power type)
Details	Only for DC use. 12V DC type	Details	Only for DC use. 24V DC type	Details	AC/DC dual use. 12V DC type
Product name	RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)	Product name	RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)	Product name	RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)
					
Product Number	RT3SP2-24V	Product Number	AY3802	Product Number	AY3803
Part Number	AY35002	Part Number	AY3802	Part Number	AY3803
Product	RT-3 Unit relay (PhotoMOS Power type)	Product	Short circuit plate	Product	Short circuit plate
Details	AC/DC dual use. 24V DC type	Details	For RT-3 Unit relay, With insulator	Details	For RT-3 Unit relay, Without insulator
Product name	RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type)	Product name	Short circuit plate	Product name	Short circuit plate

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