

AFP0RE8RS | FP0R Expansion units



※Photo may vary from actual product.

**RoHS
compliant**

| | |
|----------------|----------------------|
| Product Number | AFP0RE8RS |
| Part Number | AFP0RE8RS |
| 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 | AFP0RE8RS |
| Part Number | AFP0RE8RS |
| [[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 | AFP0581 |
| Part Number | AFP0581 |
| Product name | Power cable |



| | |
|----------------|------------------------|
| Product Number | AFP0802 |
| Part Number | AFP0802 |
| Product name | Terminal socket |



| | |
|----------------|-----------------------|
| Product Number | AFP0803 |
| Part Number | AFP0803 |
| Product name | Mounting plate |



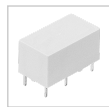
| | |
|----------------|-----------------------|
| Product Number | AFP0804 |
| Part Number | AFP0804 |
| Product name | Mounting plate |



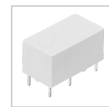
| | |
|----------------|-----------------------|
| Product Number | AFP0811 |
| Part Number | AFP0811 |
| Product name | Mounting plate |



| | |
|----------------|------------------------------|
| 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 | RT-3 Unit relay (PhotoMOS Power type) |
| Details | Only for DC use. 12V DC type |
| Product name | RT-3 UNIT RELAY (PhotoMOS Power type) /4-POINT TERMINAL (Without relay type) |



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




| | |
|----------------|--|
| Product Number | RT3SP2-12V |
| Part Number | AY35001 |
| Product | RT-3 Unit relay (PhotoMOS Power type) |



| | |
|----------------|--|
| Product Number | RT3SP2-24V |
| Part Number | AY35002 |
| Product | RT-3 Unit relay (PhotoMOS Power type) |



| | |
|----------------|----------------------------------|
| Product Number | AY3802 |
| Part Number | AY3802 |
| Product | Short circuit plate |
| Details | For RT-3 Unit relay, With |

| Details | | Details | | insulator | |
|----------------|---|--------------|---|--------------|----------------------------|
| | AC/DC dual use. 12V DC type | | AC/DC dual use. 24V DC type | Product name | Short circuit plate |
| 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 | AY3803 | | | | |
| Part Number | AY3803 | | | | |
| Product | Short circuit plate | | | | |
| Details | For RT-3 Unit relay, Without insulator | | | | |
| Product name | Short circuit plate | | | | |

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