

# Product data sheet

Specifications



## firewall, Modicon Networking, industrial firewall, 2 ports for copper

TCSEFEC23F3F21

⚠ To be discontinued on: Dec 1, 2027

⚠ To be end-of-service on: Dec 31, 2030

⚠ To be discontinued

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

|                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| Range of Product            | Modicon Networking                                                              |
| Product or Component Type   | Ethernet TCP/IP firewall                                                        |
| Communication Port Protocol | Ethernet TCP/IP<br>SSH<br>HTTP<br>HTTPS<br>SNMP<br>SFTP<br>SCP<br>LLDP<br>RS232 |
| Port Ethernet               | 10/100BASE-TX - 2 copper cable                                                  |
| Cybersecurity               | Syslog protocol support<br>IPSec                                                |
| User interface              | Built-in firewall                                                               |
| Encryption Protocol         | MAC addresses filtering                                                         |

### Complementary

|                                        |                                                  |
|----------------------------------------|--------------------------------------------------|
| Integrated connection type             | Shielded RJ45 copper cable                       |
| Transmission support medium            | Twisted shielded pairs cable CAT 5E copper cable |
| Maximum cable distance between devices | 328.08 ft (100 m) copper cable                   |
| Ethernet service                       | Multicast filtering<br>Syslog                    |
| Communication Service                  | Port monitoring                                  |
| Diagnostics run time                   | Signal contact<br>Self test<br>MAC notification  |
| Redundancy                             | Redundant network coupling<br>Router redundancy  |
| Supply voltage                         | 12...48 V                                        |
| Supply voltage limits                  | 9.6...60 V DC SELV<br>18...30 V AC SELV          |
| Power Consumption in W                 | 6.9 W                                            |
| Electrical connection                  | Removable connector 6 ways power supply          |
| Mounting Support                       | 35 mm symmetrical DIN rail                       |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marking                 | CE<br>UL<br>RCM                                                                                                                                                                                                                                                                                          |
| Function Available      | System information<br>Report<br>IP Firewall list<br>Configuration check<br>Reachability test (ping)<br>Alarms (Traps)                                                                                                                                                                                    |
| Local signalling        | 2 LEDs (green) for P1 P2 power supplies<br>1 LED (red) for fault<br>1 dual colour LED (green/yellow) for device status<br>1 dual colour LED (green/yellow) for memory key status<br>1 dual colour LED (green/yellow) for internal port status<br>1 dual colour LED (green/yellow) for serial port status |
| Alarm output            | 1 voltfree contact 1 A                                                                                                                                                                                                                                                                                   |
| Alarm function          | Power supply fault<br>Data link status<br>Switch fault<br>Temperature threshold<br>External memory removed                                                                                                                                                                                               |
| Ethernet cabling system | TF switches                                                                                                                                                                                                                                                                                              |
| Width                   | 2.4 in (60 mm)                                                                                                                                                                                                                                                                                           |
| Height                  | 5.7 in (145 mm)                                                                                                                                                                                                                                                                                          |
| Depth                   | 4.9 in (125 mm)                                                                                                                                                                                                                                                                                          |
| Product Weight          | 1.34 lb(US) (0.61 kg)                                                                                                                                                                                                                                                                                    |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Ambient Air Temperature for Operation | 32...140 °F (0...60 °C)                                                          |
| Relative Humidity                     | 10...95 % non-condensing                                                         |
| IP Degree of Protection               | IP20                                                                             |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility |
| Standards                             | UL 508<br>EN/IEC 61131<br>EN/IEC 60950                                           |
| Product certifications                | CE<br>UL<br>RCM<br>UKCA<br>DNV                                                   |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1PC4018481  |
| Discount Schedule | PC40          |
| GTIN              | 3606480757983 |
| Returnability     | No            |
| Country of origin | DE            |

## Packing Units

|                        |                      |
|------------------------|----------------------|
| Unit Type of Package 1 | PCE                  |
| Nbr. of units in pkg.  | 1                    |
| Package 1 Height       | 8.268 in (21.000 cm) |

|                              |                         |
|------------------------------|-------------------------|
| Package 1 Width              | 8.661 in (22.000 cm)    |
| Package 1 Length             | 8.858 in (22.500 cm)    |
| Package weight(Lbs)          | 2.273 lb(US) (1.031 kg) |
| Unit Type of Package 2       | S04                     |
| Number of Units in Package 2 | 2                       |
| Package 2 Height             | 11.811 in (30.000 cm)   |
| Package 2 Width              | 15.748 in (40.000 cm)   |
| Package 2 Length             | 23.622 in (60.000 cm)   |
| Package 2 Weight             | 6.393 lb(US) (2.900 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint  |                                               |
|--------------------------|-----------------------------------------------|
| Environmental Disclosure | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                                                                                                                                                                                              |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                              |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                          |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                                                                                                                                          |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a> |

Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

Use Again

| Repack and remanufacture |    |
|--------------------------|----|
| Take-back                | No |

## Dimensions Drawings

## Dimensions

