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SK 3124.300 IoT interface

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3124.300 - IoT interface

The IoT interface is a central component for the intelligent networking of Rittal cooling solutions or sensors for monitoring physical ambient conditions. Equipped with a wide range of interfaces and protocols, it is used to collate and transmit data to superordinate IT systems or to systems for the local monitoring of machine statuses.

Features

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|-------------------------------|--|
| Model No. | SK 3124.300 |
| Product description | The IoT interface is a central component for the intelligent networking of Rittal cooling solutions or sensors for monitoring physical ambient conditions. Equipped with a wide range of interfaces and protocols, it is used to collate and transmit data to superordinate IT systems or to systems for the local monitoring of machine statuses. |
| Benefits | Digitalisation and networking offer huge opportunities for every company. With the IoT interface, Rittal cooling solutions and sensors for monitoring physical ambient conditions are easily connected to Industry 4.0 environments without affecting the automation logic. Plug and run: The IoT interface is quickly and conveniently configured and commissioned via the integral Web server, no programming required. |
| Material | Plastic to UL 94-V0 |
| Colour | RAL 7016 |
| Supply includes | IoT interface USB cable (USB-A connector on micro-USB-B connector) Angle bracket for Blue e+ cooling unit |
| Type of electrical connection | Push-in spring connection terminal (24 V DC) |
| Interface bus system | 2 x RJ45 CAN bus |
| Network interface | Ethernet IPv4/IPv6 Ethernet to IEEE 802.3 via 10BASE-T, 100BASE-T and 1000BASE-T |

Features

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| Interfaces | 1 x Micro USB type B (device) for USB 2.0 1 x Micro-SD memory card slot for SD 2.0 1 x USB 2.0 high-speed functions (EHCI) 1 x acknowledgement button 1 x push-in spring connection terminal for NTC sensor 2 x RJ45 jack for RS 485 interface (climate control unit interface) |
| Assembly instruction | The IoT interface can be secured on a 35 x 7.5 top hat rail to DIN EN 60715 using a spring-loaded metal clip, or to the rear of a Blue e+ cooling unit using the angle bracket. |
| Note | The IoT interface is only supported by Blue e+ cooling units from firmware version 1.11.0 or above. To interlink cooling units in the Blue e series, the Blue e IoT adaptor (3124.310) is additionally required. |
| Protocols | OPC-UA SNMPv1 SNMPv2c SNMPv3 Modbus/TCP TCP/IPv4 TCP/IPv6 Radius Telnet SSH FTP SFTP HTTP HTTPS NTP DHCP DNS SMTP Syslog LDAP |
| Dimensions | Width: 18 mm Height: 117 mm Depth: 120 mm |
| Operating temperature range | 0 °C...70 °C |

Features

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| IP protection category to IEC 60529 | IP 20 |
| Packs of | 1 pc(s). |
| Net weight | 0.27 kg |
| Gross weight | 0.28 kg |
| Customs tariff number | 85369095 |
| ETIM 9 | EC001099 |
| ETIM 8 | EC001099 |
| ECLASS 8.0 | 27143136 |
| Product description | SK IoT Interface, for networking of Rittal components, for Blue e+ cooling units/Chiller, WHD: 18 x 117 x 120 mm |

Approvals

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|--------------|--|
| Approvals | Cyber Security Certificate UL + C-UL (listed) |
| Explanations | Declaration of conformity |

Tender text

SK 3124.300

Description:

The IoT interface is a central component for the intelligent networking of Rittal cooling solutions or sensors for monitoring physical ambient conditions.

Equipped with a wide range of interfaces and protocols, it is used to collate and transmit data to superordinate IT systems or to systems for the local monitoring of machine statuses.

Benefits:

Digitalisation and networking offer huge opportunities for every company.

With the IoT interface, Rittal cooling solutions and sensors for monitoring physical ambient conditions are easily connected to Industry 4.0 environments without affecting the automation logic.

Plug and run: The IoT interface is quickly and conveniently configured and commissioned via the integral Web server, no programming required.

Dimensions:

18 x 117 x 120 mm

Material:

Plastic to UL 94-V0

Colour:

RAL 7016 Anthrazitgrau

Protection category IP to IEC 60 529:

IP 20

Note:

The IoT interface is only supported by Blue e+ cooling units from firmware version 1.11.0 or above. If applicable, update the firmware using the RiDiag III software (3159.300).

To interlink cooling units in the Blue e series, the Blue e IoT adaptor (3124.310) is additionally required.

Supply includes:

IoT interface

USB cable (USB-A connector on micro-USB-B connector)

Angle bracket for Blue e+ cooling unit

Protocols:

SNMP

OPC-UA

Modbus/TCP

CAN-Bus

Profinet