

CI846K02

Compact Product Suite hardware selector



CI846K02 S100 Eth FCI Kit Red Master

S100 I/O Ethernet Fieldbus Communication Interface Kit for redundant configuration to Advant Master. TC810/TC811 Ethernet Adapter(s) are ordered separately. Mounting on vertical DIN-rail. Including: 2 pc CI846, 1 pc TU866.

TU866 additionally includes 1 pc TL866 S100 I/O cable empty slot protector for single S100 I/O configuration. TL866 is not required for redundant configuration.

The following information is to be provided:

- System ID (SID)
- Original 3BSX-number (printed on the program card), license serial number, or the original ABB Supplier order number for the Advant Controller 410/450 to which the existing S100 I/O is connected.

This product requires a Temporary Sales Approval.

Features and benefits

Please refer to the datasheet for CI846 and TU866.

| General info | |
|------------------------|---|
| Article number | 7PAA008866R1 |
| Communication protocol | Ethernet |
| Type | Ethernet FCI Kit (Red S100 I/O for Advant Master) |
| Master or slave | Slave |
| SOE | Yes |
| Line redundancy | Yes |
| Network redundancy | Yes |
| Module redundancy | Yes |
| High integrity | N/A |
| Intrinsic safety | N/A |

| Environment and certification | |
|--------------------------------------|---|
| Temperature, Operating | -5 °C (23 °F) to +55 °C (131 °F) |
| Temperature, Storage | -5 °C (23 °F) to +55 °C (131 °F) |
| Pollution degree | Pollution Degree 2 acc. to IEC 60664-1 |
| Relative humidity | 5 to 95 %, non-condensation |
| Altitude | -1000 to 2000 m |
| Mechanical operating conditions | IEC 61131-2 |
| EMC | IEC/EN 61000-6-4, IEC/EN 61000-6-2 |
| Overvoltage categories | Category II acc. to IEC 60664-1 |
| Equipment class | Class III acc. to IEC/EN 61010-2-201 |
| Ingress protection | IP20 acc. to IEC 60529 |
| CE-marking | Yes |
| UKCA | Yes |
| Electrical Safety | IEC/EN 61010-1 UL 61010-1 CSA-C22.2 No. 61010-1-12 IEC/EN 61010-2-201 UL 61010-2-201 CSA C22.2 No. 61010-2-201 |
| Corrosive atmosphere | G3 |
| RoHS compliance | Yes |
| WEEE compliance | EU |

—
solutions.abb/compactproductsuite
solutions.abb/controlsystems

—
We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2025 ABB All rights reserved