

48290655

Sensor iTR-10 10mm 25-63A



Strong points

- Plug & Play
- Accurate
- VirtualMonitor technology
- AutoCorrect technology

General characteristics

- Range from 25 to 600 A.
- Used with power monitoring device DIRIS Digiware, DIRIS A, DIRIS B.
- PreciSense technology: Accurate.
- Easy installation and configuration.

Compliance with standards

- UL 61010-1 CSA-C22.2, 61010-1, Guide PICQ, File E257746
- IEC 61557-12
- ISO 14025

Link to the reference

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https://www.socomec.us/enus/reference/48290655

iTR split-core current sensors are used with DIRIS Digiware I, DIRIS A, or DIRIS B Power Monitoring Devices to measure currents from 25 to 600 A, with the same guaranteed accuracy. The quick RJ12 connection, and the integrated intelligence prevent, any wiring or configuration errors.

iTR split-core sensors are placed around the live conductors without disrupting the wiring and the supply, highly convenient for retrofit applications.

The iTR range offers outstanding technologies:

VirtualMonitor which gives the real time physical state of protective devices AutoCorrect which detects wiring errors and corrects them to guarantee consistent readings.

| Fill rate E-Order Common | 29 |
|---------------------------------|---|
| Fill rate E-Order Selection | 100 |
| Certificates and Declaration | |
| Conformity to standard #1 | UL 61010-1 Guide PICQ File E257746 |
| Conformity to standard #2 | CSA-C22.2 No. 61010-1 |
| Conformity to standard #3 | IEC 61557-12 |
| Conformity to standard #4 | ISO 14025 |
| Proposition 65 California | WARNING This product can expose you to chemicals including bisphenol A (BPA), which is known to the State of California to cause birth defects or reproductive harm. For more information go to: www.P65Warnings.ca.gov |
| Standards | |
| Conformity to standards | IEC br/>UL |
| Certificates and Declaration - | Safety |
| UL file number | E257746 |
| General Product Characteristi | cs |
| Device type | Current sensors for DIRIS A, DIRIS B & DIRIS Digiware I |
| Technical Characteristics | |
| Model | iTR-10 |
| Opening | 0.39 in / 10 mm |
| Rated current [A] | 25 63 A |
| Secondary rated current | RJ12 |
| Technical Characteristics - Ele | ectrical |
| Intermittent overload | 10x In for 1s |
| Max voltage (Phase/neutral) | 300 |
| Rated withstand voltage | 3kV |
| Technical Characteristics - En | vironmental |
| Maximum operating altitude | 6560 feet / 2000 m |
| Measurement category | CAT III |
| Operating temperature | -10 +70 °C / +14 °F +158 °F (IEC 60068-2-1/IEC 60068-2-2) |
| Relative humidity | 95% RH without condensation |
| Storage temperature | -25 +85 °C / -13 °F +185 °F (IEC 60068-2-1/IEC 60068-2-2) |
| Technical Characteristics - Me | easurement |
| Accuracy class | 0.5 for the global measurement chain (Associated with Digiware I, DIRIS B & DIRIS A) |

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| Current sensor type Degree of Pollution Pegaere of Pegae | Current rating range | 25 63 A |
|--|-------------------------------------|--------------------------------|
| Degree of Pollution IP20 / IK06 Frequency rating 50/60 Hz Frequency rating 50/60 Hz Full measurement range 0.5 75.6 A ETIM - Electrical characteristics Rated primary current [A] 63 Rated secondary current [A] 0.1 Rated secondary apparent power [VA] 0.1 Rated secondary apparent power [VA] 0.2S Decreurrent limiting factor FS 10 Delibrated Yes ETIM - Mechanical characteristics With contact protection Yes Height opening [mm] 1010 Width opening [mm] 1010 Depening diameter [mm] 10 Sinap mounting Yes Secondary connection Plug-in connection ETIM - Technical features Widel Attachable current transformer Attachable current transformer Attachable current transformer Proce unit PC Weight of the packing unit 0.057 Length of the packing unit 0.045 Perioduct Details Effective date 2018-01-01 Dispose C 8310808 ETIM Class ETIM Class ETIM | Current Sensor Secondary type | 100mV |
| Solido Hz Solido Hz | Current sensor type | Split Core |
| ETIM - Electrical characteristics Rated primary current [A] 63 Rated secondary current [A] 0.1 Rated secondary apparent power [VA] 0.1 Rated secondary characteristics With contact protection Yes Relight opening [mm] 1010 Relight opening [mm] 1010 Relight opening [mm] 1010 Relight opening [mm] 10 Relight of primary inputs 11 Relight of primary inputs 11 Relight of the packing unit 0.057 Relight of the packing unit 0.04 Relight of the p | Degree of Pollution | IP20 / IK06 |
| ETIM - Electrical characteristics Rated primary current [A] 63 Rated secondary current [A] 0.1 Rated secondary apparent power [VA] 0.1 Rated secondary class 0.28 Rated secondary contact protection Yes Retired pening factor Yes Retired primary in 1010 Retired poening [mm] 1010 Retired poeni | Frequency rating | 50/60 Hz |
| Rated primary current [A] 63 Rated secondary current [A] 0.1 Rated secondary apparent power [VA] 0.1 Rated secondary core [VA] 0.1 Rated secondary celebrated Yes With contact protection Yes Reight opening [mm] 1010 Ridth opening [mm] 1010 Ridth opening diameter [mm] 10 Ridth opening diameter [mm] Yes Rescondary connection Plug-in connection ETIM - Technical features Riddel Attachable current transformer Rimber of primary inputs 1 Rougher of the packing unit 0.057 Reight of the packing unit 0.057 Reight of the packing unit 0.04 Reight of the packing unit 0.05 Reight of the packing unit 0.04 Reight of the packing unit 0.05 Reight of the packing unit 0.05 Reight of the packing unit 0.04 Reight of the packing unit 0.05 | Full measurement range | 0.5 75.6 A |
| Rated secondary current [A] Rated secondary apparent power [VA] Rated secondary corrent limiting factor FS 10 Calibrated Yes ETIM - Mechanical characteristics With contact protection Yes Reight opening [mm] 1010 Width opening [mm] 1010 Popening diameter [mm] 10 Sinap mounting Yes Rescondary connection Plug-in connection ETIM - Technical features Reight of primary inputs 1 Respective for primary inputs 1 Respective Reight of the packing unit Rei | ETIM - Electrical characteristics | |
| Rated secondary apparent power [VA] Accuracy class Divercurrent limiting factor Calibrated Yes CTIM - Mechanical characteristics With contact protection Height opening [mm] Yes Height opening [mm] Yes Popening diameter [mm] Yes Cocondary connection CTIM - Technical features Model Attachable current transformer Attachable current transforme | Rated primary current [A] | 63 |
| Accuracy class Overcurrent limiting factor Calibrated Ves ETIM - Mechanical characteristics With contact protection Ves Height opening [mm] Vidth opening [mm] Vidth opening [mm] Vidth opening [mm] Ves Vith copper rail Ves Vith copper rail Ves Vith copper rail Ves Vith copper rail Ves Vith opening I Attachable current transformer Viddel Vidth - Technical features Vide - Ves | Rated secondary current [A] | 0.1 |
| Description of the packing unit Description of the packing uni | Rated secondary apparent power [VA] | 0.1 |
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| With contact protection Yes Height opening [mm] 1010 Width opening [mm] 1010 Popening diameter [mm] 10 Popening diameter [mm] Yes With copper rail Yes Product Details Effective date Classification UNSPSC 83101808 ECONOMS With copper rail Yes Product Details Plays 1010 Yes 1010 101 | Overcurrent limiting factor | FS 10 |
| With contact protection Height opening [mm] Height opening [mm] Depening diameter [mm] Depening diameter [mm] With copper rail Pesson product Details Effective date Country of origin Discount Policy Bar 1010 Bar 1010 Discount Policy Bar 1010 Bar 1010 Bar 1010 Discount Policy Bar 1010 Bar 1010 Bar | Calibrated | Yes |
| Height opening [mm] 1010 Width opening [mm] 1010 Dening diameter [mm] 10 Senap mounting Yes With copper rail Yes Secondary connection Plug-in connection ETIM - Technical features Model Attachable current transformer Number of primary inputs 1 Logistics ETIN/EAN 3596033020070 Customs number Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.04 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | ETIM - Mechanical characteristics | |
| Width opening [mm] 1010 Depening diameter [mm] 10 Snap mounting Yes With copper rail Yes Secondary connection Plug-in connection ETIM - Technical features Widdel Attachable current transformer Number of primary inputs 1 Logistics STIN/EAN 3596033020070 Customs number 8504312990 Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Classification UNSPSC 83101808 ETIM Class EC002048 | With contact protection | Yes |
| Depening diameter [mm] Sonap mounting With copper rail Secondary connection ETIM - Technical features Model Attachable current transformer Number of primary inputs 1 Logistics SETIN/EAN 3596033020070 Customs number Price unit PC Weight of the packing unit Length of the packing unit Depth of the packing unit Depth of the packing unit Country of origin FR Discount Policy Discount Policy Discount Policy Label Classification UNSPSC 83101808 ETIM Class EC002048 | Height opening [mm] | 1010 |
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| With copper rail Secondary connection Plug-in connection Plug-in connection Attachable current transformer Number of primary inputs Logistics STIN/EAN Sosoons number Pice unit PC Weight of the packing unit Length of the packing unit Depth of | Opening diameter [mm] | 10 |
| Secondary connection FILM - Technical features Model Attachable current transformer Number of primary inputs 1 Logistics STIN/EAN 3596033020070 Customs number 8504312990 Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Snap mounting | Yes |
| Attachable current transformer Model Attachable current transformer Number of primary inputs 1 Logistics STIN/EAN 3596033020070 Customs number 8504312990 Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | With copper rail | Yes |
| Attachable current transformer Number of primary inputs Logistics STIN/EAN 3596033020070 Sustoms number 8504312990 Price unit PC Weight of the packing unit Length of the packing unit 0.057 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date Country of origin FR Discount Policy 1EN30 SENSORS Classification UNSPSC 83101808 ECU02048 | Secondary connection | Plug-in connection |
| Number of primary inputs Logistics STIN/EAN S596033020070 Sustoms number S504312990 Price unit PC Weight of the packing unit Length of the packing unit O.057 Width of the packing unit O.04 Depth of the packing unit O.04 Depth of the packing unit O.045 Product Details Effective date Country of origin FR Discount Policy Discount Policy Discount Policy Label Classification UNSPSC S100000000000000000000000000000000000 | ETIM - Technical features | |
| Logistics STIN/EAN 3596033020070 Customs number 8504312990 Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Model | Attachable current transformer |
| Customs number 8504312990 Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Number of primary inputs | 1 |
| Customs number 8504312990 Price unit PC Weight of the packing unit 0.057 Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Logistics | |
| Price unit | GTIN/EAN | 3596033020070 |
| Weight of the packing unit Length of the packing unit Length of the packing unit Unit of the packing unit Depth of the pac | Customs number | 8504312990 |
| Length of the packing unit 0.025 Width of the packing unit 0.04 Depth of the packing unit 0.045 Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label Classification UNSPSC 83101808 ECIM Class EC002048 | Price unit | PC |
| Width of the packing unit Depth of the packing | Weight of the packing unit | 0.057 |
| Depth of the packing unit Product Details Effective date Country of origin FR Discount Policy Discount Policy Discount Policy Label Classification UNSPSC 83101808 ETIM Class EC002048 | Length of the packing unit | 0.025 |
| Product Details Effective date 2018-01-01 Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Width of the packing unit | 0.04 |
| ### Country of origin | Depth of the packing unit | 0.045 |
| Country of origin FR Discount Policy 1EN30 Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Product Details | |
| Discount Policy 1EN30 Discount Policy Label SENSORS Classification WINSPSC ETIM Class EC002048 | Effective date | 2018-01-01 |
| Discount Policy Label SENSORS Classification UNSPSC 83101808 ETIM Class EC002048 | Country of origin | FR |
| UNSPSC 83101808 ETIM Class EC002048 | Discount Policy | 1EN30 |
| JNSPSC 83101808 ETIM Class EC002048 | Discount Policy Label | SENSORS |
| ETIM Class EC002048 | Classification | |
| | UNSPSC | 83101808 |
| GCC 6042 | ETIM Class | EC002048 |
| | IGCC | 6042 |

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