

# 48290505

# Solid current sensor TE-55 55mm 400-1000A



#### Strong points

- Plug & Play
- Accurate
- Smart

#### General characteristics

Quick RJ12 connection making wiring easy and without errors Safe mV output: on-load disconnection of the sensor Global accuracy class 0.5 according to ANSI C12.20 (Meter + TE sensor) Designed for new installations Similar spacing as standard protective devices

### Compliance with standards

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

Link to the reference

TE solid-core sensors are used with DIRIS Digiware I, DIRIS A, or DIRIS B Power Monitoring Devices to measure currents from 5 to 2000 A with only 7 part numbers and with the same guaranteed accuracy. The quick RJ12 connection, and the integrated intelligence prevent any connection or configuration errors.

Numerous accessories are available to mount the sensors in any type of electrical panel.

#### **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 UL	
<b>Certificates and Declaration - S</b>	afety	
UL file number	E257746	
General Product Characteristics		
Device type	Current sensors for DIRIS A, DIRIS B & DIRIS Digiware I	
<b>Technical Characteristics</b>		
Model	TE-55	
Opening	1.61 x 1.61 in / 41 x 41 mm	
Rated current [A]	400 1000 A	
Secondary rated current	RJ12	
Function	Current measurement	
Type of current	AC	
Type of product	Solid core	
Internal diameter	41x41	
Secondary Output	Voltage	
Accuracy class	0.5	
Type of connection	RJ12	
Conformity to standards	IEC 61557-12 br/>UL 61010	
Customisable	No	
<b>Technical Characteristics - Elec</b>	trical	
Intermittent overload	10x In for 1s	
Max voltage (Phase/neutral)	600 V	
Rated withstand voltage	3kV	
Technical Characteristics - Environmental		
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)	
PEP ecopassport - ISO 14025	SOCO-2014-03-v1-fr, SOCO-2014-03-v1-en	

## TE-55 400-1000A



Relative humidity	95% RH without condensation
Storage temperature	-25 +85 °C / -13 °F +185 °F (IEC 60068-2-1/IEC 60068-2-2)
<b>Technical Characteristics - Meas</b>	urement
Accuracy class	0.5 for the global measurement chain (Associated with Digiware I, DIRIS B & DIRIS A)
Current rating range	400 1000 A
Current Sensor Secondary type	100mV
Current sensor type	Solid Core
Degree of Pollution	IP20 / IK06
Frequency rating	50/60 Hz
Full measurement range	8 1200 A
ETIM - Electrical characteristics	
 Rated primary current [A]	1000
Rated secondary current [A]	0.1
Rated secondary apparent power [VA]	0.1
Accuracy class	0.25
Overcurrent limiting factor	FS 10
Calibrated	Yes
ETIM - Mechanical characteristic	S
With contact protection	Yes
Height opening [mm]	4141
Width opening [mm]	4141
Opening diameter [mm]	41
Snap mounting	Yes
With copper rail	Yes
Secondary connection	Plug-in connection
ETIM - Technical features	
 Model	Through-feed current converter
Number of primary inputs	1
Logistics	
GTIN/EAN	3596032776510
Customs number	8504312990
Price unit	PC
Weight of the packing unit [kg]	0.21
Length of the packing unit [m]	0.1
Width of the packing unit [m]	0.06
Depth of the packing unit [m]	0.04
Product Details	
Effective date	2013-11-22
Offer Life Cycle Code	40
Country of origin	FR
Classification	
UNSPSC	83101808
ETIM Class	EC002048
IGCC	6042