

48290578

## Sensor TF-600 1600-6000 A



### Strong points

- Plug & Play
- Accurate
- Smart
- Safe locking mechanism
- Simplified installation

### General characteristics

Quick RJ12 connection for ease of wiring and prevention of errors  
Safe mV output: on-load disconnection of the sensor  
Global accuracy class 0.5 (Meter + TF sensor) according to ANSI C12.20

### Compliance with standards

UL 61010 Guide PICQ File E257746  
IEC 61557-12

### Link to the reference

<https://www.socomec.us/en-us/reference/48290578>

TF flexible Rogowski coil current sensors are used with DIRIS Digiware I, DIRIS A, or DIRIS B Power Monitoring Devices to measure currents from 100 to 6000 A with the same guaranteed accuracy. The quick RJ12 connection, and the integrated intelligence prevent any connection or configuration errors.

TF current sensors provide a versatile solution when space is limited, wrapped around irregular-shaped conductors or busbars without disrupting the wiring and the supply, highly convenient in retrofit applications.

No external power supply is needed, as the sensor is powered from the power meter through the RJ12 connection.

### ----- System -----

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 : <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Standards

Conformity to standards	IEC UL
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### Certificates and Declaration - Safety

UL file number	E257746
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### General Product Characteristics

Device type	Current sensors for DIRIS A, DIRIS B & DIRIS Digiware I
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### Technical Characteristics

Model	TF-600
Opening	23.62 in / 600 mm
Rated current [A]	1600 ... 6000 A
Secondary rated current	RJ12

### Technical Characteristics - Electrical

Intermittent overload	10x In for 1s
Max voltage (Phase/neutral)	600V
Rated withstand voltage	3.6kV

### 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)
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 - Measurement

Accuracy class	Class 0.5 in association with DIRIS Digiware I, DIRIS A, DIRIS B
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Current rating range	1600 ... 6000 A
Current Sensor Secondary type	100mV
Current sensor type	Flexible TF current sensors
Degree of Pollution	IP20/IK07
Frequency rating	50/60 Hz
Full measurement range	32 ... 7200 A
<b>ETIM - Electrical characteristics</b>	
Rated primary current [A]	6000
Rated secondary current [A]	0.1
Rated secondary apparent power [VA]	0.1
Accuracy class	0.2S
Overcurrent limiting factor	FS 10
Calibrated	Yes
<b>ETIM - Mechanical characteristics</b>	
With contact protection	Yes
Height opening [mm]	600..600
Width opening [mm]	600..600
Opening diameter [mm]	600
Snap mounting	Yes
With copper rail	Yes
Secondary connection	Plug-in connection
<b>ETIM - Technical features</b>	
Model	Attachable current transformer
Number of primary inputs	1
<b>Logistics</b>	
GTIN/EAN	3596033018732
Customs number	8504312990
Price unit	PC
Weight of the packing unit	0.291
Length of the packing unit	0.04
Width of the packing unit	0.24
Depth of the packing unit	0.28
<b>Product Details</b>	
Effective date	2017-12-01
Country of origin	IT
Discount Policy	1EN30
Discount Policy Label	SENSORS
<b>Classification</b>	
UNSPSC	83101808
ETIM Class	EC002048
IGCC	6042