

# 48290573

## TF-40 100-400A ROGOWSKI SENSOR RJ12



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

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: www.P65Warnings.ca.gov
Standards	
Conformity to standards	IEC br/>UL
Certificates and Declaration - S	afety
UL file number	E257746
<b>General Product Characteristic</b>	s
Device type	Current sensors for DIRIS A, DIRIS B & DIRIS Digiware I
Technical Characteristics	
Model	TF-40
Opening	1.57 in / 40 mm
Rated current [A]	100 400 A
Secondary rated current	RJ12
<b>Technical Characteristics - Elec</b>	etrical
Intermittent overload	10x In for 1s
Max voltage (Phase/neutral)	600V
Rated withstand voltage	3.6kV
Technical Characteristics - Env	rironmental
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 - Mea	asurement
Accuracy class	Class 0.5 in association with DIRIS Digiware I, DIRIS A, DIRIS B

https://www.socomec.us/enus/reference/48290573

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Degree of Pollution	Current Sensor Secondary type	100mV
Frequency rating   50/60 Hz	Current sensor type	Flexible TF current sensors
Rated primary current [A] 400 Rated secondary current [A] 0.1 Rated secondary apparent power [VA] 0.1 Accuracy class 0.2S Overcurrent limiting factor FS 10 Calibrated Yes  ETIM - Mechanical characteristics With contact protection Yes Height opening [mm] 40.40 Width opening [mm] 40.40 Opening diameter [mm] 40 Snap mounting Yes With copper rail Yes Secondary connection Plug-in connection  ETIM - Technical features Model Attachable current transformer Number of primary inputs 1  Logistics GTIN/EAN 3596033018688 Customs number 8504312990 Price unit PC Weight of the packing unit 0.1 Length of the packing unit 0.207 Depth of the packing unit 0.207 Depth of the packing unit 0.207 Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01 Country of origin IT Discount Policy Label SENSORS  Classification UNSPSC 83101808 ETIM Class	Degree of Pollution	IP20/IK07
Rated primary current [A]         400           Rated secondary current [A]         0.1           Rated secondary apparent power [VA]         0.1           Accuracy class         0.28           Overcurrent limiting factor         FS 10           Calibrated         Yes           ETIM - Mechanical characteristics           With contact protection         Yes           Height opening [mm]         40.40           Width opening [mm]         40.40           Opening diameter [mm]         40           Snap mounting         Yes           With copper rail         Yes           Secondary connection         Plug-in connection           ETIM - Technical features         Model           Model         Attachable current transformer           Number of primary inputs         1           Logistics         GTIN/EAN           GTIN/EAN         3596033018688           Customs number         8504312990           Price unit         PC           Weight of the packing unit         0.043           Width of the packing unit         0.207           Depth of the packing unit         0.207           Depth of the packing unit         0.313           Product Details	Frequency rating	50/60 Hz
Rated secondary current [A]         0.1           Rated secondary apparent power [VA]         0.1           Accuracy class         0.2S           Overcurrent limiting factor         FS 10           Calibrated         Yes           ETIM - Mechanical characteristics           With contact protection         Yes           Height opening [mm]         40.40           Width opening [mm]         40.40           Opening diameter [mm]         40           Snap mounting         Yes           With copper rail         Yes           Secondary connection         Plug-in connection           ETIM - Technical features         Model           Model         Attachable current transformer           Number of primary inputs         1           Logistics         GTIN/EAN           GS06033018688         Customs number           Price unit         PC           Weight of the packing unit         0.1           Length of the packing unit         0.043           Width of the packing unit         0.207           Depth of the packing unit         0.313           Product Details         Effective date           Effective date         2019-09-01           Country of ori	ETIM - Electrical characteristics	
Rated secondary apparent power [VA]  Accuracy class  Overcurrent limiting factor  Calibrated  FS 10  Calibrated  Yes  ETIM - Mechanical characteristics  With contact protection  Yes  Height opening [mm]  4040  Width opening [mm]  4040  Opening diameter [mm]  Snap mounting  Yes  Secondary connection  Plug-in connection  ETIM - Technical features  Model  Attachable current transformer  Number of primary inputs  1  Logistics  GTIN/EAN  3596033018688  Customs number  Pice unit  PC  Weight of the packing unit  Length of the packing unit  Length of the packing unit  O.207  Depth of the packing unit  Country of origin  Fifective date  Country of origin  Discount Policy  Discount Policy Label  ETIM Class  ETIM Class  EC002048  ETIM Class  EC002048	Rated primary current [A]	400
Accuracy class Overcurrent limiting factor FS 10 Calibrated Yes  ETIM - Mechanical characteristics With contact protection Height opening [mm] 40.40 Width opening [mm] 40.40 Opening diameter [mm] 40 Snap mounting Yes With copper rail Secondary connection Plug-in connection  ETIM - Technical features  Model Attachable current transformer Number of primary inputs 1 Logistics GTIN/EAN 3596033018688 Customs number Price unit Weight of the packing unit Length of the packing unit Length of the packing unit Depth of the packing unit Depth of the packing unit Country of origin Froduct Details Effective date Customs UNSPSC Sanota 2019-09-01 County Origin Discount Policy Label ETIM Class EC002048 ETIM Class EC002048	Rated secondary current [A]	0.1
Overcurrent limiting factor  Calibrated  Yes  ETIM - Mechanical characteristics  With contact protection  Height opening [mm]  Vidth opening [mm]  Opening diameter [mm]  Snap mounting  Yes  With copper rail  Secondary connection  ETIM - Technical features  Model  Attachable current transformer  Number of primary inputs  1  Logistics  GTIN/EAN  Customs number  Price unit  Weight of the packing unit  Length of the packing unit  Depth of the packing unit  Depth of the packing unit  Country of origin  Discount Policy  Discount Policy  Discount Policy Label  ETIM - Ses  Balonas  ESS 10  Yes  440  A40  A	Rated secondary apparent power [VA]	0.1
ETIM - Mechanical characteristics  With contact protection Yes  Height opening [mm] 4040  Opening diameter [mm] 4040  Snap mounting Yes  With copper rail Yes  Secondary connection Plug-in connection  ETIM - Technical features  Model Attachable current transformer  Number of primary inputs 1  Logistics  GTIN/EAN 3596033018688  Customs number 8504312990  Price unit PC  Weight of the packing unit 0.1  Length of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT  Discount Policy Label SENSORS  CIIN Class  ETIM Class  ETIM Class  ECO02048	Accuracy class	0.2\$
With contact protection Yes Height opening [mm] 4040 Width opening [mm] 4040 Opening diameter [mm] 40 Snap mounting Yes With copper rail Yes Secondary connection Plug-in connection  ETIM - Technical features Model Attachable current transformer Number of primary inputs 1  Logistics GTIN/EAN 3596033018688 Customs number 8504312990 Price unit PC Weight of the packing unit 0.1 Length of the packing unit 0.043 Width of the packing unit 0.207 Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01 Country of origin IT Discount Policy Label SENSORS  Classification UNSPSC 83101808 ETIM Class EC002048	Overcurrent limiting factor	FS 10
With contact protection       Yes         Height opening [mm]       4040         Width opening [mm]       4040         Opening diameter [mm]       40         Snap mounting       Yes         With copper rail       Yes         Secondary connection       Plug-in connection         ETIM - Technical features         Model       Attachable current transformer         Number of primary inputs       1         Logistics         GTIN/EAN       3596033018688         Customs number       8504312990         Price unit       PC         Weight of the packing unit       0.1         Length of the packing unit       0.043         Width of the packing unit       0.207         Depth of the packing unit       0.313         Product Details       Effective date         Effective date       2019-09-01         Country of origin       IT         Discount Policy       1EN30         Discount Policy Label       SENSORS         Classification         UNSPSC       83101808         ETIM Class       EC002048	Calibrated	Yes
Height opening [mm] 4040  Width opening [mm] 4040  Opening diameter [mm] 40  Snap mounting Yes  With copper rail Yes  Secondary connection Plug-in connection  ETIM - Technical features  Model Attachable current transformer  Number of primary inputs 1  Logistics  GTIN/EAN 3596033018688  Customs number 8504312990  Price unit PC  Weight of the packing unit 0.1  Length of the packing unit 0.043  Width of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT  Discount Policy 1EN30  Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class  EC002048	ETIM - Mechanical characteristics	
Width opening [mm] 40.40  Opening diameter [mm] 40  Snap mounting Yes  With copper rail Yes  Secondary connection Plug-in connection  ETIM - Technical features  Model Attachable current transformer  Number of primary inputs 1  Logistics  GTIN/EAN 3596033018688  Customs number 8504312990  Price unit PC  Weight of the packing unit 0.1  Length of the packing unit 0.4  Width of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT  Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class  EC002048	With contact protection	Yes
Opening diameter [mm]         40           Snap mounting         Yes           With copper rail         Yes           Secondary connection         Plug-in connection           ETIM - Technical features         Attachable current transformer           Model         Attachable current transformer           Number of primary inputs         1           Logistics         STIN/EAN           GTIN/EAN         3596033018688           Customs number         8504312990           Price unit         PC           Weight of the packing unit         0.1           Length of the packing unit         0.043           Width of the packing unit         0.207           Depth of the packing unit         0.313           Product Details         Effective date           Country of origin         IT           Discount Policy         1EN30           Discount Policy Label         SENSORS           Classification           UNSPSC         83101808           ETIM Class         EC002048	Height opening [mm]	4040
Snap mounting With copper rail Secondary connection Plug-in connection  ETIM - Technical features  Model Attachable current transformer Number of primary inputs 1  Logistics GTIN/EAN 3596033018688  Customs number 8504312990  Price unit PC Weight of the packing unit 0.1  Length of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class  ETIM Class  ETIM Class  Attachable current transformer  Attachable current transformer  Attachable current transformer  Neture 1  Yes  Yes  Yes  Yes  Yes  Attachable current transformer  Atta	Width opening [mm]	4040
With copper rail Secondary connection Plug-in connection  ETIM - Technical features  Model Attachable current transformer Number of primary inputs 1  Logistics GTIN/EAN 3596033018688 Customs number 8504312990 Price unit PC Weight of the packing unit 0.1 Length of the packing unit 0.207 Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class  ETIM Class  Attachable current transformer Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attachable current transformer  Attach	Opening diameter [mm]	40
Secondary connection  Plug-in connection  ETIM - Technical features  Model Attachable current transformer  Number of primary inputs 1  Logistics  GTIN/EAN 3596033018688  Customs number 8504312990  Price unit PC  Weight of the packing unit 0.1  Length of the packing unit 0.043  Width of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT  Discount Policy 1EN30  Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class EC002048	Snap mounting	Yes
Model Attachable current transformer Number of primary inputs 1  Logistics GTIN/EAN 3596033018688 Customs number 8504312990 Price unit PC Weight of the packing unit 0.1 Length of the packing unit 0.043 Width of the packing unit 0.207 Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01 Country of origin IT Discount Policy 1EN30 Discount Policy Label SENSORS  Classification  UNSPSC 83101808 ETIM Class EC002048	With copper rail	Yes
Model Attachable current transformer  Number of primary inputs 1  Logistics  GTIN/EAN 3596033018688  Customs number 8504312990  Price unit PC  Weight of the packing unit 0.1  Length of the packing unit 0.043  Width of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT  Discount Policy 1EN30  Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class  EC002048	Secondary connection	Plug-in connection
Number of primary inputs         1           Logistics           GTIN/EAN         3596033018688           Customs number         8504312990           Price unit         PC           Weight of the packing unit         0.1           Length of the packing unit         0.043           Width of the packing unit         0.207           Depth of the packing unit         0.313           Product Details           Effective date         2019-09-01           Country of origin         IT           Discount Policy         1EN30           Discount Policy Label         SENSORS           Classification           UNSPSC         83101808           ETIM Class         EC002048	ETIM - Technical features	
Logistics GTIN/EAN 3596033018688 Customs number 8504312990 Price unit PC Weight of the packing unit 0.1 Length of the packing unit 0.043 Width of the packing unit 0.207 Depth of the packing unit 0.313 Product Details Effective date 2019-09-01 Country of origin IT Discount Policy 1EN30 Discount Policy Label SENSORS  Classification UNSPSC 83101808 ETIM Class EC002048	Model	Attachable current transformer
GTIN/EAN         3596033018688           Customs number         8504312990           Price unit         PC           Weight of the packing unit         0.1           Length of the packing unit         0.043           Width of the packing unit         0.207           Depth of the packing unit         0.313           Product Details           Effective date         2019-09-01           Country of origin         IT           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 0.1  Length of the packing unit 0.043  Width of the packing unit 0.207  Depth of the packing unit 0.313  Product Details  Effective date 2019-09-01  Country of origin IT  Discount Policy 1EN30  Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class EC002048	Logistics	
Price unit  Weight of the packing unit  Length of the packing unit  0.043  Width of the packing unit  0.207  Depth of the packing unit  0.313  Product Details  Effective date  2019-09-01  Country of origin  IT  Discount Policy  1EN30  Discount Policy Label  SENSORS  Classification  UNSPSC  83101808  ETIM Class  EC002048	GTIN/EAN	3596033018688
Weight of the packing unit  Length of the packing unit  0.043  Width of the packing unit  0.207  Depth of the packing unit  0.313  Product Details  Effective date  2019-09-01  Country of origin  IT  Discount Policy  1EN30  Discount Policy Label  SENSORS  Classification  UNSPSC  83101808  ETIM Class  EC002048	Customs number	8504312990
Length of the packing unit  Width of the packing unit  Depth of the packing unit  O.207  Depth of the packing unit  O.313  Product Details  Effective date  2019-09-01  Country of origin  IT  Discount Policy  1EN30  Discount Policy Label  SENSORS  Classification  UNSPSC  83101808  ETIM Class  EC002048	Price unit	PC
Width of the packing unit  Depth of the packing unit  O.313  Product Details  Effective date  Country of origin  IT  Discount Policy  Discount Policy  Discount Policy Label  Classification  UNSPSC  83101808  ETIM Class  EC002048	Weight of the packing unit	0.1
Depth of the packing unit  Product Details  Effective date  Country of origin  Discount Policy  Discount Policy  Discount Policy Label  Classification  UNSPSC  83101808  ETIM Class  EC002048	Length of the packing unit	0.043
Product Details           Effective date         2019-09-01           Country of origin         IT           Discount Policy         1EN30           Discount Policy Label         SENSORS           Classification         UNSPSC           ETIM Class         EC002048	Width of the packing unit	0.207
Effective date         2019-09-01           Country of origin         IT           Discount Policy         1EN30           Discount Policy Label         SENSORS           Classification         UNSPSC           ETIM Class         EC002048	Depth of the packing unit	0.313
Country of origin IT  Discount Policy 1EN30  Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class EC002048	Product Details	
Discount Policy         1EN30           Discount Policy Label         SENSORS           Classification         83101808           ETIM Class         EC002048	Effective date	2019-09-01
Discount Policy Label SENSORS  Classification  UNSPSC 83101808  ETIM Class EC002048	Country of origin	IT
Classification UNSPSC 83101808 ETIM Class EC002048	Discount Policy	1EN30
UNSPSC         83101808           ETIM Class         EC002048	Discount Policy Label	SENSORS
ETIM Class EC002048	Classification	
	UNSPSC	83101808
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