



### Current sensors

Current sensors can be connected to the DIRIS Digiware system via a rapid RJ12 connection various accessories are available, permitting installation in all panel configurations.

- Plug and play RJ12 connections (*for ease of wiring preventing wiring errors*)
- Automatic detection of sensor type and current rating
- Class 0,5 from 2% to 120% of nominal current (*as per standard IEC 61557-12*)

type	model	actual range current (A)	description	pitch (mm)	hole size (mm)
<b>TE - Solid current sensors</b> class 0.5					
4829 0500	TE-18	0.1...24	solid current sensor	18	Ø 8.6
4829 0501	TE-18	0.5...75	solid current sensor	18	Ø 8.6
4829 0502	TE-25	0.8...192	solid current sensor	25	13.5 ■
4829 0503	TE-35	1.26...300	solid current sensor	35	21 ■
4829 0504	TE-45	3.2...756	solid current sensor	45	31 ■
4829 0505	TE-55	8...1200	solid current sensor	55	41 ■
4829 0506	TE-90	12...2400	solid current sensor	90	64 ■

<b>TR - Split-core current sensors</b> class I					
4829 0555	TR-10	0.5...90	split-core current sensors	-	Ø 10
4829 0556	TR-14	0.8...192	split-core current sensors	-	Ø 14
4829 0552	TR-16	0.64...120	split-core current sensors	-	Ø 16
4829 0557	TR-21	1.26...300	split-core current sensors	-	Ø 21
4829 0553	TR-24	1.26...200	split-core current sensors	-	Ø 24
4829 0558	TR-32	3.2...720	split-core current sensors	-	Ø 32
4829 0554	TR-36	4...720	split-core current sensors	-	Ø 36

<b>iTR - Split-core current sensors</b> class 0.5 ( <i>intelligent</i> )					
4829 0655	iTR-10	0.5...75	split-core current sensors	-	Ø 10
4829 0656	iTR-14	0.8...192	split-core current sensors	-	Ø 14
4829 0657	iTR-21	1.26...300	split-core current sensors	-	Ø 21
4829 0658	iTR-32	3.2...720	split-core current sensors	-	Ø 32

<b>TF - Flexible current sensors (Rogowski coil)</b>					
4829 0570	TF-55	3...720	flexible current sensors	-	Ø 55
4829 0571	TF-120	10...2400	flexible current sensors	-	Ø 120
4829 0572	TF-300	32...7200	flexible current sensors	-	Ø 300

### Cables and accessories for current sensors

type	model	description	cable length (mm)	pack size (mm)
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#### RJ12 current sensor connection cables (*inter connection*)

- Automatic detection of current sensor ratings
- Identification of cables by colour-coding
- Disconnection of the current sensor secondary under load

4829 0581	RJ12	AC current sensor connection cable	0.2 m	3 x cables
4829 0595	RJ12	AC current sensor connection cable	0.5 m	3 x cables
4829 0583	RJ12	AC current sensor connection cable	1.0 m	3 x cables
4829 0584	RJ12	AC current sensor connection cable	2.0 m	3 x cables
4829 0593	RJ12	AC current sensor connection cable	1.0 m	6 x cables
4829 0594	RJ12	AC current sensor connection cable	2.0 m	6 x cables
4829 0782	RJ12	DC molex current sensor conn. cable	0.3 m	3 x cables
4829 0783	RJ12	DC molex current sensor conn. cable	0.5 m	3 x cables
4829 0784	RJ12	DC molex current sensor conn. cable	1.0 m	3 x cables
4829 0785	RJ12	DC molex current sensor conn. cable	2.0 m	3 x cables
4829 0786	RJ12	DC molex current sensor conn. cable	5.0 m	1 x cable

#### RJ45 current sensor connection cables (*bus connection*)

- Interconnection of I and U modules via Digiware Bus

4829 0181	RJ45	Digiware bus AC connection cable	0.1 m	-
4829 0182	RJ45	Digiware bus AC connection cable	0.5 m	-
4829 0183	RJ45	Digiware bus AC connection cable	1.0 m	-
4829 0184	RJ45	Digiware bus AC connection cable	2.0 m	-
4829 0185*	RJ45	AC current sensor cable + 50 connectors	50 m	(cable roll)

\* Maximum cable distance between current measurement modules and current sensors is 10 m

4829 0599	5A/CT adapter ( <i>measurement &gt;1000 A</i> )			
4829 0598	coupling link for interconnecting sensors staggered or linear mounted			(30pcs)
4829 0600	sealable cover ( <i>guarantees the immunity of sensor connection</i> )			(20pcs)