



TF sensors

Flexible TF current sensors

used with DIRIS Digiware, DIRIS A-40 and DIRIS B

Current sensors



TF Flexible current sensors

The solution for

- > Industrial processes
- > Building
- > Infrastructure
- > Data centers



Strong points

- > Plug & Play
- > Accuracy according to IEC 61557-12
- > Ideal solution for retrofit applications
- > Simplified installation

Integrated technologies



Compliance with standards

- > UL 61010 Guide FTRZ File E257746
- > IEC 61557-12
- > ISO 14025

Create your project

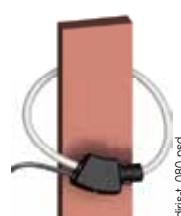


Installation

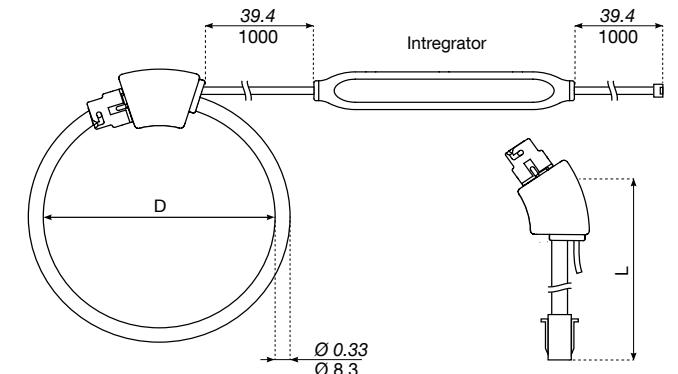
Cable mounting



Bar mounting



Dimensions (in / mm)



diris-t_078_b_us.ai

Model	Nominal current range (A)	Real range covered (A)	D = Ø loop (mm)	L = Loop length (mm)
TF-55	150 ... 600	3 ... 720	55	173
TF-80	150 ... 600	3 ... 720	80	251
TF-120	400 ... 2000	8 ... 2400	120	377
TF-200	600 ... 4000	12 ... 4800	200	628
TF-300	1600 ... 6000	32 ... 7200	300	942
TF-600	1600 ... 6000	32 ... 7200	600	1885

Integrator dimensions: 128 x 19 x 15 mm

Technical characteristics

Model	TF-55	TF-80	TF-120	TF-200	TF-300	TF-600
Nominal current range I _n (A)	150 ... 600	150 ... 600	400 ... 2000	600 ... 4000	1600 ... 6000	1600 ... 6000
Real range covered (A)	3 ... 720	3 ... 720	8 ... 2400	12 ... 4800	32 ... 7200	32 ... 7200
Weight (g)	114	130	142	164	193	274
Max. voltage (phase/neutral)				600 V		
Rated withstand voltage				3.6 kV		
Accuracy class			0.5 in association with DIRIS Digiware I, DIRIS A-40, DIRIS B based on IEC 61557-12			
Frequency				50 / 60 Hz		
Intermittent overload				10 x I _n for 1 s		
Measurement category				CAT III		
Protection degree				IP30 / IK07		
Operating temperature				-10 to +70°C		
Storage temperature				-25 to +85°C		
Relative humidity				95% RH non-condensing		
Altitude				< 2000 m		
Connection				Socomec cable or equivalent RJ12 straight, twisted pair, unshielded, 600 V, -10 ... +70 °C		

References

Model	Nominal current range (A)	Real range covered (A)	D = Ø loop (mm)	L = Loop length (mm)	Reference
TF-55	150 ... 600	3 ... 720	55	173	4829 0570
TF-80	150 ... 600	3 ... 720	80	251	4829 0574
TF-120	400 ... 2000	8 ... 2400	120	377	4829 0575
TF-200	600 ... 4000	12 ... 4800	200	628	4829 0576
TF-300	1600 ... 6000	32 ... 7200	300	942	4829 0577
TF-600	1600 ... 6000	32 ... 7200	600	1885	4829 0578

Accessories

Female/female connector for extension of the RJ12 connection between PMD and TF sensor. Reference: 4829 0670

	Cable length (ft/m)								
	0.32 / 0.1	0.65 / 0.2	0.98 / 0.3	1.64 / 0.5	3.28 / 1	6.56 / 2	16.40 / 5	32.80 / 10	164.04 ft / 50 m reel + 100 connectors
RJ12 connection cables	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	164.04 ft / 50 m reel + 100 connectors
Number of cables	1	3	4	6					
1	4829 0580	4829 0581	4829 0582	4829 0595	4829 0583	4829 0584	4829 0602	4829 0603	4829 0601
3				4829 0596	4829 0588	4829 0589			
4				4829 0597	4829 0593	4829 0594			
6									