

JS - Cable conversion transformer

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data sheet



Properties

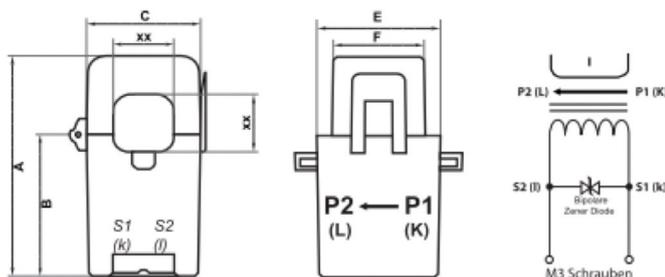
- Opening / closing with one handle
- Articulated hinge for long service life
- Output overvoltage protection
- Insulating polycarbonate housing for both core halves
- UL and EN 61010-1 certified (CE)
- Output connection terminals

Technical specifications

Accuracy classes	Depending on type, see table
Output connections	2 x M3 screws with connection cover
Max. operating voltage	720 V AC
Overload resistance	Continuous current: 1.2 times nominal value
Conformity	IEC/EN 60044-1, IEC 61010-1
Operating temperature range	-20 ... 55 °C
Relative humidity	≤ 85 %, no condensation
Insulation voltage	3 kV for 1 minute
Operating frequency	50/60 Hz
Installation category	CAT II or CAT III 600 V AC
Protection level	bipolar 3.0 Vs



These hinged core transformers provide a secondary output current of 1 A, 5 A and 100 mA, respectively, based on the recorded nominal input currents, which makes cable lengths non-critical. It can be used for electricity meters and power meters in power distribution systems, control panels, switchgear and other equipment.



Type	A [mm]	B [mm]	C [mm]	xx [mm]	E [mm]	F [mm]
JS17F	64.1	41.1	33.1	17.0	35.8	26.2
JS17S	64.1	41.1	33.1	17.0	35.8	26.2
JS24F	74.5	47.0	45.0	24.0	33.7	21.1
JS24S	74.5	47.0	45.0	24.0	33.7	21.1
JS36S	91.4	57.0	57.1	36.0	40.2	21.1

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JS17S/F

Primary current [A]	Secondary current [A]	Load [VA]	Class	Type	Item number
60	1 A	1	3	JS17S	03.17.1001
75	1 A	1	3	JS17S	03.17.1002
100	1 A	1.25	3	JS17S	03.17.1003
125	1 A	1.5	3	JS17S	03.17.1004
150	1 A	2	3	JS17S	03.17.1005
200	1 A	3	3	JS17S	03.17.1006
150	5 A	1.5	3	JS17S	03.17.5001
50	100 mA	0.01	1	JS17F	03.17.0001
100	100 mA	0.01	1	JS17F	03.17.0002
125	100 mA	0.01	1	JS17F	03.17.0003
150	100 mA	0.01	0.5	JS17F	03.17.0004
200	100 mA	0.01	0.5	JS17S	03.17.0005

JS24S/F

Primary current [A]	Secondary current [A]	Load [VA]	Class	Type	Item number
100	1 A	1	3	JS24S	03.24.1001
125	1 A	1	3	JS24S	03.24.1002
150	1 A	1	3	JS24S	03.24.1003
200	1 A	0.5	1	JS24S	03.24.1004
250	1 A	1	1	JS24S	03.24.1005
300	1 A	1.5	1	JS24S	03.24.1006
100	5 A	1.5	3	JS24S	03.24.5001
150	5 A	1.5	3	JS24S	03.24.5002
200	5 A	0.5	1	JS24S	03.24.5003
250	5 A	0.5	1	JS24S	03.24.5004
300	5 A	0.5	1	JS24S	03.24.5005
400	5 A	0.5	1	JS24S	03.24.5006
200	100 mA	0.01	0.5	JS24F	03.24.0001
250	100 mA	0.01	0.5	JS24S	03.24.0002
300	100 mA	0.01	0.5	JS24S	03.24.0003

JS36S

Primary current [A]	Secondary current [A]	Load [VA]	Class	Type	Item number
300	1 A	1.5	1	JS36S	03.36.1001
400	1 A	0.5	0.5	JS36S	03.36.1002
500	1 A	0.5	0.5	JS36S	03.36.1003
600	1 A	0.5	0.5	JS36S	03.36.1004
200	5 A	2.5	3	JS36S	03.36.5001
250	5 A	0.5	1	JS36S	03.36.5002
300	5 A	0.5	1	JS36S	03.36.5003
400	5 A	2.5	1	JS36S	03.36.5004
500	5 A	2.5	1	JS36S	03.36.5005
600	5 A	2.5	1	JS36S	03.36.5006
300	100 mA	0.01	0.5	JS36S	03.36.0001
400	100 mA	0.01	0.5	JS36S	03.36.0002
500	100 mA	0.01	0.5	JS36S	03.36.0003
600	100 mA	0.01	0.5	JS36S	03.36.0004