



UCS 50




UCS 50 B

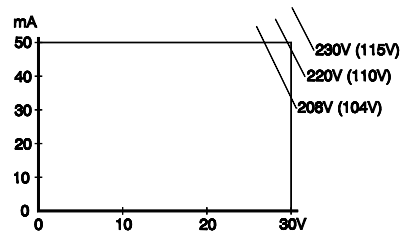
UCS 50 CONSTANT CURRENT SOURCE

CURRENT RANGE 0-50 mA, max 30V

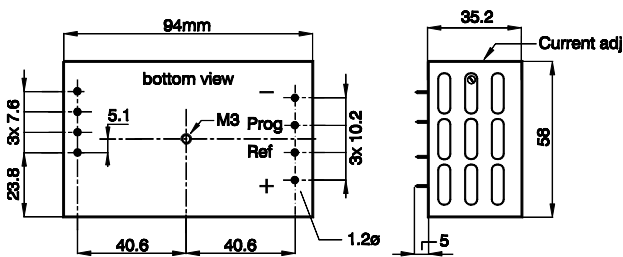


With potted split bobbin transformer, providing very low leakage current and coupling capacitance.

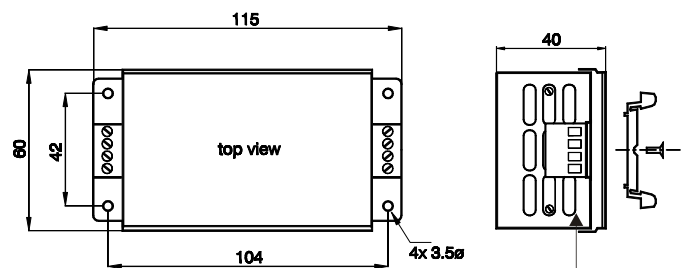
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| <p>Input : 230 / 115 V 48 - 62 Hz
Split bobbin, potted, safety transformer according to VDE 0551 EN 60742</p>  <p>Test voltage
Input / output : 4 kV rms (output / case shorted)
Input / case : 4 kV rms (output / case shorted)
Output / case : 500 V DC (output shorted)</p> <p>Input to output
Leakage current : Typical 5 μA
Coupling capacitance: Less than 60 pF
Insulation resistance : 1000 MOhms
Attenuation input spikes : Better than 100 dB</p> <p>Safety : IEC 60950 EN 61010</p> <p>EMC : EN 61204-3
EN 61000-6-3 (EN 55022-B)
EN 61000-6-2</p> <p>Current adjustment : 0-50 mA
a) By 20-turn screwdriver adj.
b) By external potmeter 10 kΩ
c) By 0-5 V analog programming</p> <p>Programming input : 0-5 V, full scale error \pm 0.2%,
offset error \leq 20 μA,
input impedance 500 kOhm.</p> <p>Current regulation
Load 600 - 0 Ohm : 3 μA
Line \pm 10% : 3 μA</p> | <p>Ripple + noise : 30 μA p-p, measured across 600 ohm // 0.1 μF</p> <p>Temp. coeff. : 0.005% per $^{\circ}$C</p> <p>Stability : 0.01% per 8 hrs after 20 min. warm up</p> <p>Output impedance
DC : 10 MOhm
1 kHz : 33 kOhm
10 kHz : 3.3 kOhm
100 kHz : 0.33 kOhm</p> <p>Recovery time
600 - 60 Ohm : 10 μs</p> <p>Open voltage limit : 33 V \pm 5%</p> <p>Ambient temp. : - 20 to +50 $^{\circ}$C</p> <p>Dim. and weight : 35 x 58 x 94 mm (h x w x d)
0.39 kg</p> <p>Accessories : P500 Eurocard for 2 units.
Front panel F10-3 for P500.
For more details see also U-series.</p> |
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Derating of max. voltage at low line voltage



UCS 50 with solder pins for PCB mounting



UCS 50 B with screw terminals for wall or rail mounting

Clamp for rail mounting