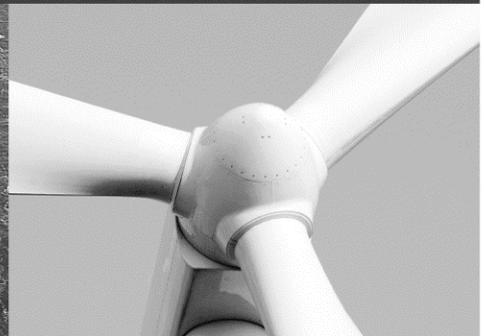




-power in control



DATA SHEET



DIN rail instruments, types B45-x, D45-x, E45-x

- AC and DC measurement
- Exchangeable scale
- For mounting on DIN rail
- Compact and robust



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Document no.: 4921210027H

Technical specifications

- Accuracy: Class 1.5 (-10...15...30...55°C), to IEC/EN 60051
- Scale length: Approx. 41 mm
- Standard scale: Always 120% of the current transformer. Exchangeable scale
End values: 6-12-18-24-30-36-48-60-72-90-96 and multiples of 10 thereof
- Ambient temperature: -10...55°C (nominal), -25...60°C (operating), -25...65°C (storage)
- Test voltage: 2 kV
- Working range: E45 (moving iron). Ammeters are designed according to EN60051-2 (Item 6.4.1 and 6.4.2)
Continuous overload: $I_N \times 1.2$
Short duration overload: $I_N \times 5$ for 5 sec. $I_N \times 10$ for 0.5 sec
Valid for -/1 A, -/5 A and direct connections (both for moving iron and bimetallic)
- EMC: To IEC/EN 61000-6-1/2/3/4
CE-marked for residential, commercial and light industry plus industrial environment
- Protection: Housing: IP52. Terminals: IP20. To IEC/EN 60529
- Mounting: Designed for mounting on DIN rail, 35 x 15 mm

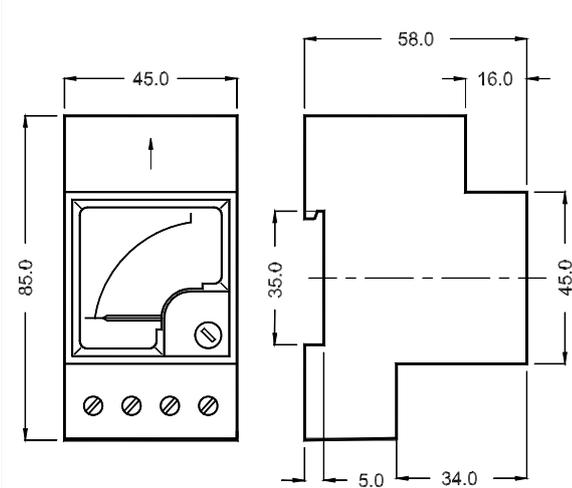
Type B45-x: bimetallic instruments for AC measurement Type D45-x: moving coil instruments for DC measurement Type E45-x: moving iron instruments for AC measurement		
Type	Measuring range - V	Measuring range - A
B45-x	-	8 min/5 A
D45-x	1 V...300 V (incl. 0...60 mV/5 mA) ¹⁾	1 mA...600 mA (incl. 4...20 mA) ¹⁾
E45-x	6 V...400 V ²⁾	100 mA...25 A ²⁾

1) Standard measuring ranges: 1 - 1.5 - 2.5 - 4 - 5 - 6 and multiples of 10 thereof
Cat. III 300 V max. (515 V ph-ph (300 x $\sqrt{3}$))

2) Standard measuring ranges: 1 - 1.5 - 2.5 - 4 - 6 and multiples of 10 thereof

Dimensions

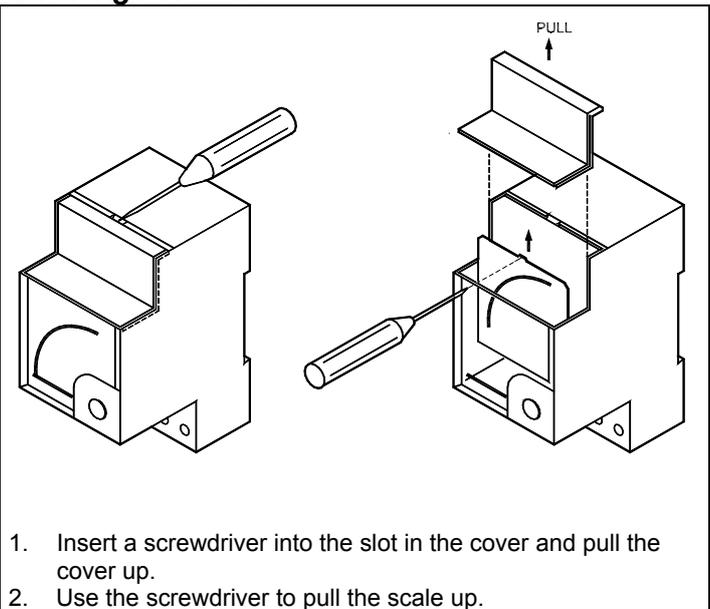
All dimensions in mm



B45-x, D45-x, E45-x

Weight approx. 0.1 kg

Exchange of scale



Available variants

Item no.	Variant no.	Variant description
2961800320	01	B45-x f/DIN rail For CT /5 A, 8 min. incl. standard scale
2961800120	01	D45-x f/DIN rail All measuring inputs w/standard scale
2961800220	01	E45-x f/DIN rail All measuring inputs incl. standard scale

Order specifications

Variants:

Mandatory information						Additional options to the standard variant
Item no.	Type	Variant no.	Measuring range	Scale	Trafo: Primary/secondary	Option

Example:

Mandatory information						Additional options to the standard variant
Item no.	Type	Variant no.	Measuring range	Scale	Trafo: Primary/secondary	Option
2961800320-01	B45-x	01	8 min/5 A	0...600 A	500/5 A	Red line at 450 A
2961800120-01	D45-x	01	4...20 mA DC	0...150%		
2961800220-01	E45-x	01	0...10 A AC	0...10 A		AG glass
2961800220-01	E45-x	01	(Determined by DEIF)	0...12 kV	11 kV/120V AC	

Note: When ordering an E45 meter for connection via a voltage transformer (VT), both primary and secondary of the VT must be stated as shown above.

Due to our continuous development we reserve the right to supply equipment which may vary from the described.



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