

B45-x, D45-x, E45-x

4921210027H

DIN rail instruments

Data sheet



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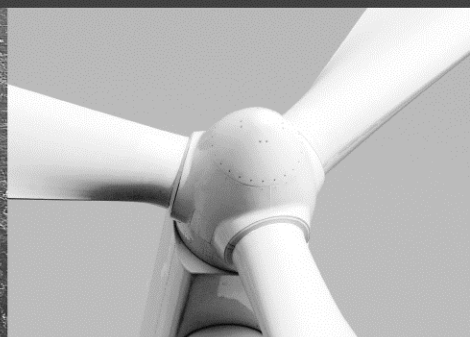
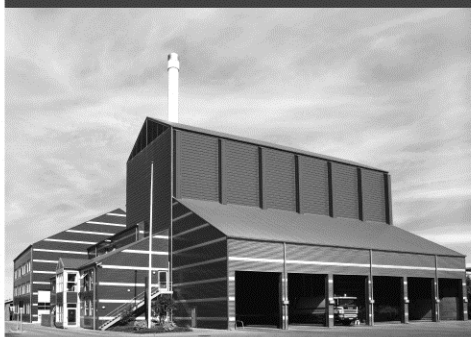




-power in control



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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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

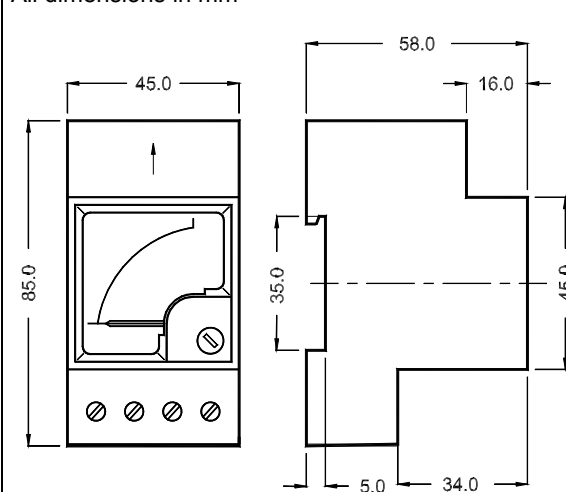
Type B45-x: bimetallic instruments for AC measurement Type D45-x: moving coil instruments for DC measurement Type E45-x: moving iron instruments for AC measurement		
Type	Measuring range - V	Measuring range - A
B45-x	-	8 min/5 A
D45-x	1 V...300 V (incl. 0...60 mV/5 mA) ¹⁾	1 mA...600 mA (incl. 4...20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

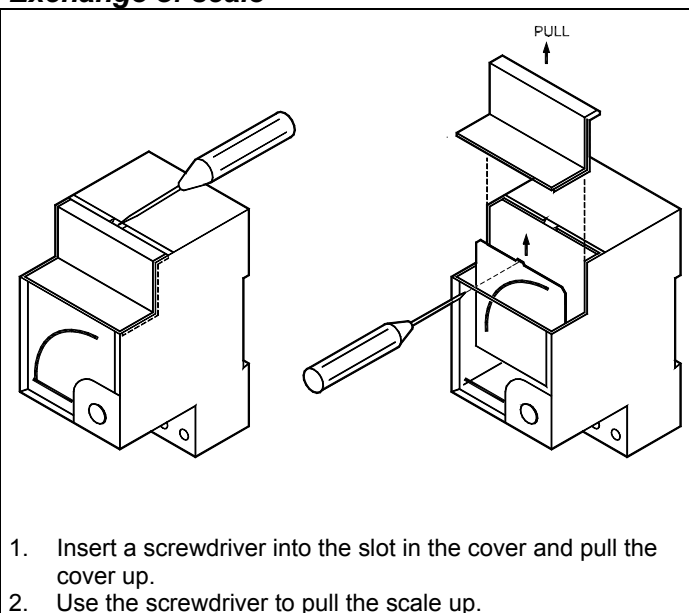
All dimensions in mm



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.



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

