



- Ammeters in various versions, for Ex e enclosures
- Quicker comparison of measured values using externally adjustable red pointers on the device
- On models with CT connection (1 A, 5 A), easy and quick measuring range assignment via retractable scale plate

E4

WebCode 8403B



R. STAHL Series 8403C6 ammeters are installed in Ex e type of protection enclosures. They provide measured values for circuits which can be quickly compared with the desired values via a red pointer affixed on the outside. The devices work with a moving iron movement with accuracy class 2.5.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•			

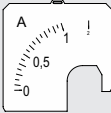
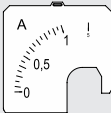
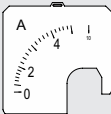
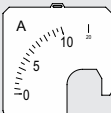
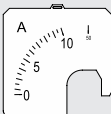
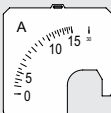
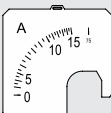
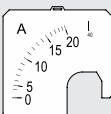
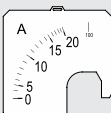
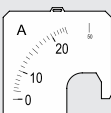
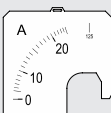
Selection Table						
Product Description Overload scale		Moving iron ammeter Direct measuring ammeter 2x				
Scale	Movement	Rated operational current for AC	Overload capacity	Product Type	Art. No.	Weight kg
0 to 1/2 A	0 to 1 A	1 A	50 x I _N 1 sec	8403C6-1-2	262731	0.310
0 to 2.5/5 A	0 to 2.5 A	2.5 A	50 x I _N 1 sec	8403C6-2,5-2	262734	0.345
0 to 4/8 A	0 to 4 A	4 A	50 x I _N 1 sec	8403C6-4-2	262707	0.220
0 to 10/20 A	0 to 10 A	10 A	50 x I _N 1 sec	8403C6-10-2	262735	0.310
0 to 15/30 A	0 to 15 A	15 A	50 x I _N 1 sec	8403C6-15-2	262738	0.310
0 to 25/50 A	0 to 25 A	25 A	30 x U _N 1 sec	8403C6-25-2	262706	0.310
Product Description Overload scale		Moving iron ammeter For transducer ammeter 2x				
Scale	Movement	Rated operational current for AC	Overload capacity	Product Type	Art. No.	Weight kg
0 to 100/200%	0 to 1 A	1 A	50 x I _N 1 sec	8403C6-1T-2	267134	0.350
without	0 to 1 A	1 A	50 x I _N 1 sec	8403C6-1T-2	262732	0.310
without	0 to 5 A	5 A	50 x I _N 1 sec	8403C6-5T-2	262736	0.310
Product Description Overload scale		Moving iron ammeter For transducer ammeter 5x				
Scale	Movement	Rated operational current for AC	Overload capacity	Product Type	Art. No.	Weight kg
without	0 to 1 A	1 A	50 x I _N 1 sec	8403C6-1T-5	262733	0.310
without	0 to 5 A	5 A	50 x I _N 1 sec	8403C6-5T-5	262737	0.310

Moving coil ammeter for transducer: please order scales separately
Calotte not included in the delivery

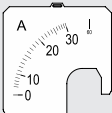
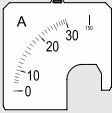
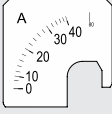
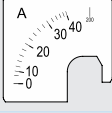
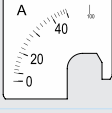
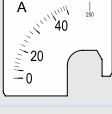
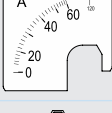
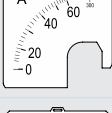
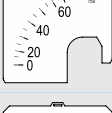
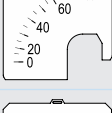
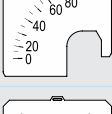
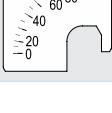
Technical Data			
Variant	8403C6-...	8403C6-10-2 8403C6-15-2	8403C6-25-2 Ammeter direkt display
Explosion Protection			
Scope of validity	European Union (ATEX) IECEx	European Union (ATEX) IECEx	European Union (ATEX) IECEx
IECEx gas explosion protection	Ex eb IIC T6 ... T4 Gb	Ex eb mb IIC T6 ... T4 Gb	Ex eb IIC T6 ... T4 Gb
IECEx firedamp protection	Ex eb I Mb	Ex eb mb I Mb	Ex eb I Mb
ATEX gas explosion protection	Ⓔ II 2 G Ex eb IIC T6 ... T4 Gb	Ⓔ II 2 G Ex eb mb IIC T6 ... T4 Gb	Ⓔ II 2 G Ex eb IIC T6 ... T4 Gb
ATEX firedamp protection	Ⓔ I M2 Ex eb I Mb	Ⓔ I M2 Ex eb mb I Mb	Ⓔ I M2 Ex eb I Mb
Certificates	ATEX (SIQ), Brazil (ULB), EAC (ENDCE), IECEx (SIQ), Korea (KGS)	ATEX (SIQ), Brazil (ULB), EAC (ENDCE), IECEx (SIQ), Korea (KGS)	ATEX (SIQ), Brazil (ULB), EAC (ENDCE), IECEx (SIQ), Korea (KGS)
Electrical Data			
Rated insulation voltage	690 V	690 V	690 V
Frequency	50/60 Hz AC, DC	50/60 Hz AC, DC	50/60 Hz AC, DC
Power dissipation	0.67 VA	0.67 VA	0.67 VA
Ambient Conditions			
Ambient temperature	-40 °C ... +40 °C (T6) -40 °C ... +55 °C (T5) -40 °C ... +70 °C (T4)	-40 °C ... +40 °C (T6) -40 °C ... +55 °C (T5) -40 °C ... +70 °C (T4)	-40 °C ... +40 °C (T6) -40 °C ... +55 °C (T5) -40 °C ... +70 °C (T4)
Ambient temperature note	T6: -40 °C ≤ T _{amb} ≤ +40 °C T5: -40 °C ≤ T _{amb} ≤ +55 °C T4: -40 °C ≤ T _{amb} ≤ +70 °C	T6: -40 °C ≤ T _{amb} ≤ +40 °C T5: -40 °C ≤ T _{amb} ≤ +55 °C T4: -40 °C ≤ T _{amb} ≤ +70 °C	T6: -40 °C ≤ T _{amb} ≤ +40 °C T5: -40 °C ≤ T _{amb} ≤ +55 °C T4: -40 °C ≤ T _{amb} ≤ +70 °C
Use at the height of	2000 m	2000 m	2000 m
Degree of contamination	3	3	3
Notes	Temperature class depending on the starting current (overload – time) can be found on the Internet at r-stahl.com. WebCode 8403B		
Mechanical Data			
Degree of protection (IP)	IP54	IP54	IP54
Degree of protection (IP) terminals	IP20	IP20	IP20
Enclosure material	Polycarbonate	Polycarbonate	Polycarbonate
Silicone-free	No	No	No
Pane material	Glass	Glass	Glass
Terminals	Screw connector (strain-relief clamp)	Screw connector (strain-relief clamp)	Screw connector (strain-relief clamp)
Max. solid connection cross section	2.5 mm²	2.5 mm²	6 mm²
Max. connection cross section, solid	10 mm²	10 mm²	10 mm²
Max. connection cross-section, finely stranded	6 mm²	6 mm²	6 mm²
Stripping length	10 mm	10 mm	10 mm
Accuracy class	2.5	2.5	2.5
Max. tightening torque	1.5 Nm	1.5 Nm	1.5 Nm
Mounting / Installation			
Mounting	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate
Mounting orientation	Vertical	Vertical	Vertical

Spare Parts			
Figure	Description	Art. No.	Weight kg
	72 x 72 mm calotte [2.83 x 2.83"]; IP66	155942	0.025

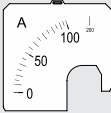
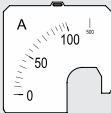
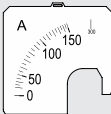
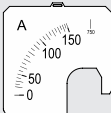
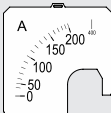
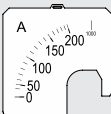
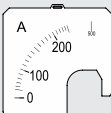
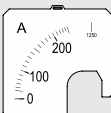
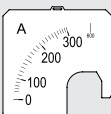
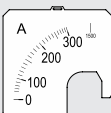
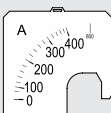
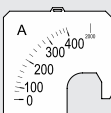
Spare Parts

Figure	Description	Art. No.	Weight kg
Push-in scales			
	Overload: 2 times scale: 0 ... 1 A	265717	0.004
	Overload: 5 times scale: 0 ... 1 A	265718	0.004
	Overload: 2 times scale: 0 ... 5 A	265719	0.004
	Overload: 5 times scale: 0 ... 5 A	265720	0.004
	Overload: 2 times scale: 0 ... 10 A	265721	0.004
	Overload: 5 times scale: 0 ... 10 A	265722	0.004
	Overload: 2 times scale: 0 ... 15 A	265723	0.004
	Overload: 5 times scale: 0 ... 15 A	265724	0.004
	Overload: 2 times scale: 0 ... 20 A	265725	0.004
	Overload: 5 times scale: 0 ... 20 A	265726	0.004
	Overload: 2 times scale: 0 ... 25 A	265727	0.004
	Overload: 5 times scale: 0 ... 25 A	265728	0.004

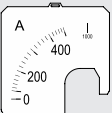
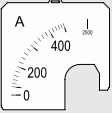
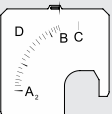
Spare Parts

Figure	Description	Art. No.	Weight kg
Push-in scales			
	Overload: 2 times scale: 0 ... 30 A	265729	0.004
	Overload: 5 times scale: 0 ... 30 A	265730	0.004
	Overload: 2 times scale: 0 ... 40 A	265731	0.004
	Overload: 5 times scale: 0 ... 40 A	265732	0.004
	Overload: 2 times scale: 0 ... 50 A	265733	0.004
	Overload: 5 times scale: 0 ... 50 A	265734	0.004
	Overload: 2 times scale: 0 ... 60 A	265735	0.004
	Overload: 5 times scale: 0 ... 60 A	265736	0.004
	Overload: 2 times scale: 0 ... 75 A	265737	0.004
	Overload: 5 times scale: 0 ... 75 A	265738	0.004
	Overload: 2 times scale: 0 ... 80 A	265739	0.004
	Overload: 5 times scale: 0 ... 80 A	265740	0.004

Spare Parts

Figure	Description	Art. No.	Weight kg
Push-in scales			
	Overload: 2 times scale: 0 ... 100 A	265741	0.004
	Overload: 5 times scale: 0 ... 100 A	265742	0.004
	Overload: 2 times scale: 0 ... 150 A	265743	0.004
	Overload: 5 times scale: 0 ... 150 A	265744	0.004
	Overload: 2 times scale: 0 ... 200 A	265745	0.004
	Overload: 5 times scale: 0 ... 200 A	265746	0.004
	Overload: 2 times scale: 0 ... 250 A	265747	0.004
	Overload: 5 times scale: 0 ... 250 A	265748	0.004
	Overload: 2 times scale: 0 ... 300 A	265750	0.004
	Overload: 5 times scale: 0 ... 300 A	265751	0.004
	Overload: 2 times scale: 0 ... 400 A	265752	0.004
	Overload: 5 times scale: 0 ... 400 A	265753	0.004

Spare Parts

Figure	Description	Art. No.	Weight kg
Push-in scales			
	Overload: 2 times scale: 0 ... 500 A	265754	0.004
	Overload: 5 times scale: 0 ... 500 A	265755	0.004
Push-in scale according to specification			
	Mandatory information A ₂ = Measuring range start value B = Measuring range final value C = Overload value D = Unit	265189	-
other scales on request			

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

