



- Ammeters in various versions, for Ex e enclosures
- Quicker comparison of measured values using externally adjustable red pointers on the device
- Selection of different current measuring ranges

E4

WebCode **8405B**



R. STAHL Series 8405C6 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		•	•			

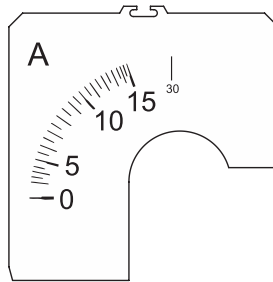
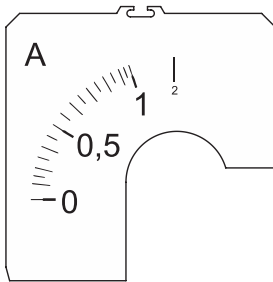
Selection Table						
Product Description Overload scale		Moving iron ammeter Direct measuring Ammeter 2x				
Scale	Movement	Rated operational current for AC	Overload capacity	Product Type	Art. No.	Weight kg
0 to 1/2 A	0 to 1 A	1 A	50 x I _N 1 sec	8405C6-1-2	262952	0.140
0 to 4/8 A	0 to 4 A	4 A	50 x I _N 1 sec	8405C6-4-2	262955	0.140
0 to 10/20 A	0 to 10 A	10 A	50 x I _N 1 sec	8405C6-10-2	262958	0.140
0 to 15/30 A	0 to 15 A	15 A	30 x U _N 1 sec	8405C6-15-2	262959	0.140
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
without	0 to 1 A	1 A	50 x I _N 1 sec	8405C6-1T-2	262953	0.140
without	0 to 5 A	5 A	50 x I _N 1 sec	8405C6-5T-2	262956	0.140
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
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
Product Description Overload scale		Moving iron ammeter For transducer ammeter 5x				
without	0 to 1 A	1 A	50 x I _N 1 sec	8405C6-1T-5	262954	0.140
Product Description Overload scale		Moving iron ammeter For transducer Ammeter 5x				
without	0 to 5 A	5 A	50 x I _N 1 sec	8405C6-5T-5	262957	0.140

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

Technical Data			
Variant	8405C6-1-2 Ammeter direct display	8405C6-10-2	8405C6-15-2
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 mb IIC T6 ... T4 Gb
IECEX firedamp protection	Ex eb I Mb	Ex eb mb I Mb	Ex eb mb 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 mb IIC T6 ... T4 Gb
ATEX firedamp protection	Ⓔ I M2 Ex eb I Mb	Ⓔ I M2 Ex eb mb I Mb	Ⓔ I M2 Ex eb mb 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 8405B		
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 mm ²	2.5 mm ²	4 mm ²
Max. connection cross section, solid	10 mm ²	10 mm ²	10 mm ²
Max. connection cross-section, finely stranded	6 mm ²	6 mm ²	6 mm ²
Accuracy class	2.5	2.5	2.5
Max. tightening torque	1.5 Nm	1.5 Nm	1.5 Nm
Stripping length	10 mm	10 mm	10 mm
Mounting / Installation			
Mounting	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate (assembly accessories included in delivery)	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate (assembly accessories included in delivery)	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate (assembly accessories included in delivery)
Mounting orientation	Vertical	Vertical	Vertical

Technical Drawings – Subject to Alterations

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Spare Parts

Figure	Description	Art. No.	Weight kg
Calotte			
	64 x 64 mm calotte [2.52 x 2.52 "]; IP66	155940	0.500
Push-in scales			
	Overload: 2 times scale: 0 ... 1 A	265871	0.001
	Overload: 5 times scale: 0 ... 1 A	265824	0.001
	Overload: 2 times scale: 0 ... 2 A	265825	0.001
	Overload: 5 times scale: 0 ... 2 A	265826	0.001
	Overload: 2 times scale: 0 ... 5 A	265827	0.001
	Overload: 5 times scale: 0 ... 5 A	265828	0.001
	Overload: 2 times scale: 0 ... 10 A	265829	0.001

Spare Parts

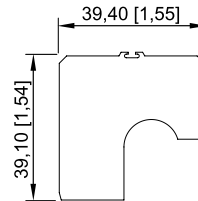
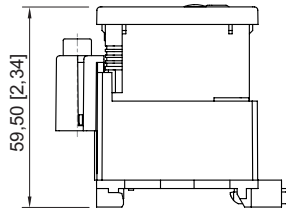
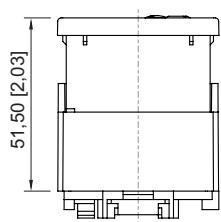
Figure	Description	Art. No.	Weight kg
Push-in scales			
	Overload: 5 times scale: 0 ... 10 A	265830	0.001
	Overload: 2 times scale: 0 ... 15 A	265832	0.001
	Overload: 5 times scale: 0 ... 15 A	265831	0.001
	Overload: 2 times scale: 0 ... 20 A	265833	0.001
	Overload: 5 times scale: 0 ... 20 A	265834	0.001
	Overload: 2 times scale: 0 ... 25 A	265835	0.001
	Overload: 5 times scale: 0 ... 25 A	265836	0.001
	Overload: 2 times scale: 0 ... 30 A	265837	0.001
	Overload: 5 times scale: 0 ... 30 A	265838	0.001
	Overload: 2 times scale: 0 ... 40 A	265839	0.001
	Overload: 5 times scale: 0 ... 40 A	265840	0.001
	Overload: 2 times scale: 0 ... 50 A	265851	0.001

Spare Parts			Art. No.	Weight kg
Figure	Description			
Push-in scales				
	Overload: 5 times	scale: 0 ... 50 A	265852	0.001
	Overload: 2 times	scale: 0 ... 60 A	265853	0.001
	Overload: 5 times	scale: 0 ... 60 A	265854	0.001
	Overload: 2 times	scale: 0 ... 75 A	265855	0.001
	Overload: 5 times	scale: 0 ... 75 A	265856	0.001
	Overload: 2 times	scale: 0 ... 100 A	265857	0.001
	Overload: 5 times	scale: 0 ... 100 A	265858	0.001
	Overload: 2 times	scale: 0 ... 150 A	265859	0.001
	Overload: 5 times	scale: 0 ... 150 A	265860	0.001
	Overload: 2 times	scale: 0 ... 200 A	265861	0.001
	Overload: 5 times	scale: 0 ... 200 A	265862	0.001
	Overload: 2 times	scale: 0 ... 250 A	265863	0.001

Spare Parts				
Figure	Description		Art. No.	Weight kg
Push-in scales				
	Overload: 5 times	scale: 0 ... 250 A	265864	0.001
	Overload: 2 times	scale: 0 ... 300 A	265865	0.001
	Overload: 5 times	scale: 0 ... 300 A	265866	0.001
	Overload: 2 times	scale: 0 ... 400 A	265867	0.001
	Overload: 5 times	scale: 0 ... 400 A	265868	0.001
	Overload: 2 times	scale: 0 ... 500 A	265869	0.001
	Overload: 5 times	scale: 0 ... 500 A	265870	0.001
Push-in scale according to specification				
	Mandatory information A ₂ = Measuring range start value B = Measuring range end value C = Overload value D = Unit		265261	-

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

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Push-in scale for ammeter Series 8405

