



- 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 **8407B**



R. STAHL Series 8407C6 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 coil ammeter Direct measuring Ammeter 2x				
Scale	Movement	Rated operational current for AC	Product Type	Art. No.	Weight kg
0 to 100/200%	0 to 20 mA	0.02 A	8407C6-020-2	263656	0.250
0 to 100/200%	4 to 20 mA	0.02 A	8407C6-420-2	263657	0.255
without	0 to 20 mA	0.02 A	8407C6-020-2	263655	0.240
Please order scales separately					

Technical Data	
Explosion Protection	
Scope of validity	European Union (ATEX) IECEX
IECEX gas explosion protection	Ex eb ib mb IIC T6 ... T4 Gb
IECEX firedamp protection	Ex eb ib mb I Mb
ATEX gas explosion protection	II 2 G Ex eb ib mb IIC T6 ... T4 Gb
ATEX firedamp protection	I M2 Ex eb ib mb I Mb
Certificates	ATEX (SIQ), Brazil (ULB), EAC (ENDCE), IECEX (SIQ), Korea (KGS)
Explosion protection note	For product label, see scope of validity.
Electrical Data	
Rated insulation voltage	690 V
Overload capacity	10 x I <sub>N</sub> 5 sec
Ambient Conditions	
Ambient temperature	-40 °C ... +40 °C (T6) -40 °C ... +55 °C (T5) -40 °C ... +70 °C (T4)

#### Technical Data

##### Ambient Conditions

Ambient temperature note	T6: $-40\text{ °C} \leq T_{\text{amb}} \leq +40\text{ °C}$ T5: $-40\text{ °C} \leq T_{\text{amb}} \leq +55\text{ °C}$ T4: $-40\text{ °C} \leq T_{\text{amb}} \leq +70\text{ °C}$
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Use at the height of	2000 m
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Degree of contamination	3
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##### Mechanical Data

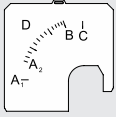
Degree of protection (IP)	IP54
Degree of protection (IP) terminals	IP20
Enclosure material	Polyamide
Silicone-free	Yes
Pane material	Glass
Terminals	Screw connector (strain-relief clamp)
Max. solid connection cross section	1 mm <sup>2</sup>
Max. connection cross section, solid	6 mm <sup>2</sup>
Max. connection cross-section, finely stranded	4 mm <sup>2</sup>
Accuracy class	2.5
Max. tightening torque	1.5 Nm
Stripping length	10 mm

##### Mounting / Installation

Mounting	Variant 1: Engage on DIN rail Variant 2: Mounting with screws on mounting plate
Mounting orientation	Vertical

#### Spare Parts

Figure	Description	Art. No.	Weight kg
<b>Calotte</b>			
	72 x 72 mm calotte [2.83 x 2.83 "]; IP66	155942	0.025
<b>Push-in scales</b>			
	Overload: 2 times      scale 0 ... 20 mA	266265	0.004
	Overload: 2 times      scale 4 ... 20 mA	266266	0.004
<b>Push-in scale according to specification</b>			
	<b>Mandatory information at 0 to 20 mA</b> A <sub>2</sub> , B, C, D A <sub>2</sub> = Measuring range start value B = Measuring range final value C = Overload value D = Unit	265263	–

Spare Parts			
Figure	Description	Art. No.	Weight kg
Push-in scale according to specification			
	<b>Mandatory information at 4 to 20 mA</b>  A <sub>1</sub> = Zero point A <sub>2</sub> = Measuring range start value B = Measuring range final value C = Overload value D = Unit	A <sub>1</sub> , A <sub>2</sub> , B, C, D  302953	0.010

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

