



- Safe: Extremely low gas emissions, effectively sealed to retain electrolyte, leakproof, no acid coating
- Buffer for irregular charging
- Reliable persistent current output, long service life and maintenance-free

E8

MY R. STAHL 8316A



R. STAHL Series 8316 battery box also provides a reliable back-up power supply during continuous operation in hazardous areas. It can be handled cleanly and safely since the gases generated during charging are re-combined to form water in the closed battery system. Thanks to minimal self-discharge and protection against total discharge, the battery has a stable cycle, is maintenance-free and has a long service life.

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

Selection Table						
DC rated operational voltage		12 V				
Number of batteries		1				
Capacity	Discharge current	Max. discharge current	Max. load condition	Product Type	Art. No.	Weight
2 Ah at 20 °C	0.05 A at 20 °C	40 A	40 A	8316/22-12-0020-1	143958	-
10 Ah at 20 °C	0.5 A at 20 °C	80 A	80 A	8316/22-12-0100-1	143959	-
25 Ah at 20 °C	1.25 A at 20 °C	200 A	200 A	8316/22-12-0250-1	143961	-
40 Ah at 20 °C	2 A at 20 °C	400 A	400 A	8316/22-12-0400-1	143962	-
60 Ah at 20 °C	3 A at 20 °C	400 A	400 A	8316/22-12-0600-1	143963	-
DC rated operational voltage		24 V				
Number of batteries		2				
Capacity	Discharge current	Max. discharge current	Max. load condition	Product Type	Art. No.	Weight
2 Ah at 20 °C	0.05 A at 20 °C	40 A	40 A	8316/22-24-0020-1	143964	-
10 Ah at 20 °C	0.5 A at 20 °C	80 A	80 A	8316/22-24-0100-1	143965	-
25 Ah at 20 °C	1.25 A at 20 °C	200 A	200 A	8316/22-24-0250-1	143966	-
40 Ah at 20 °C	2 A at 20 °C	400 A	400 A	8316/22-24-0400-1	143967	-
60 Ah at 20 °C	3 A at 20 °C	400 A	400 A	8316/22-24-0600-1	143968	-

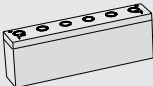
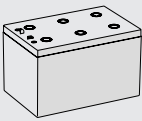
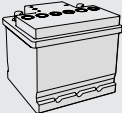
Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex eb IIC T5/T6 Gb
ATEX gas explosion protection	Ex II 2 G Ex eb IIC T5/T6 Gb
Certificates	ATEX (DEK)
Ambient Conditions	
Ambient temperature T5	-20 °C ... 55 °C
Ambient temperature T6	-20 °C ... 40 °C

Technical Data

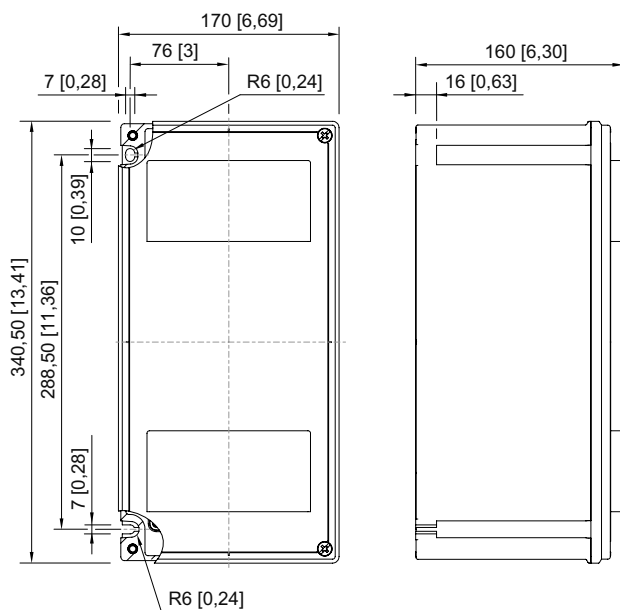
Mechanical Data

Degree of protection IP (IEC 60529) IP23

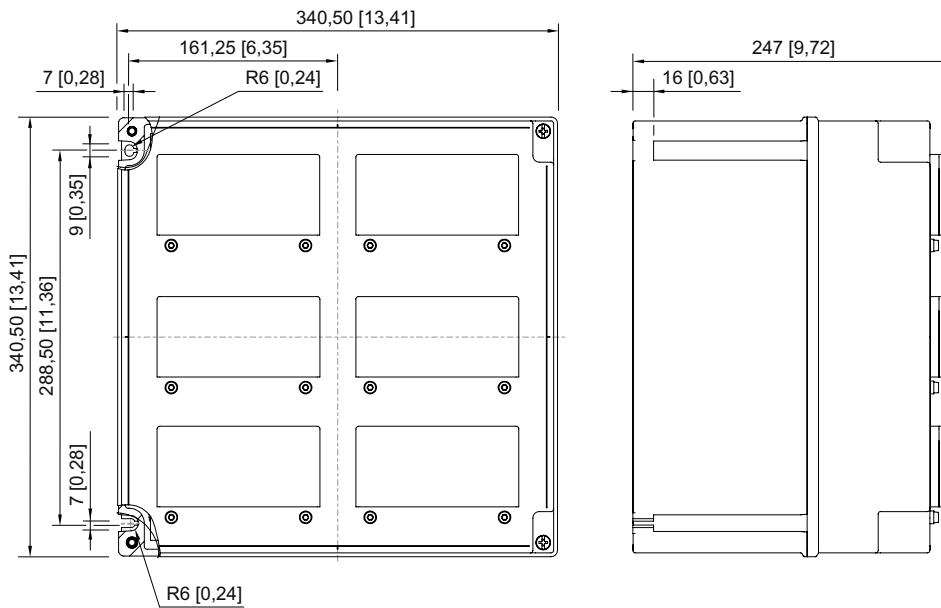
Spare Parts

Figure	Description	Art. No.	Weight
Battery			
	Sonnenschein dryfit A512/2S 12 V, 2 Ah	125059	1 kg
	Sonnenschein dryfit A512/10S 12 V, 10 Ah	125060	4 kg
	Sonnenschein dryfit A512/25G5 12 V, 25 Ah	125076	9.65 kg
	Sonnenschein dryfit A512/40A 12 V, 40 Ah	125061	14.6 kg
	Sonnenschein dryfit A512/60A 12 V, 60 Ah	125075	21.7 kg

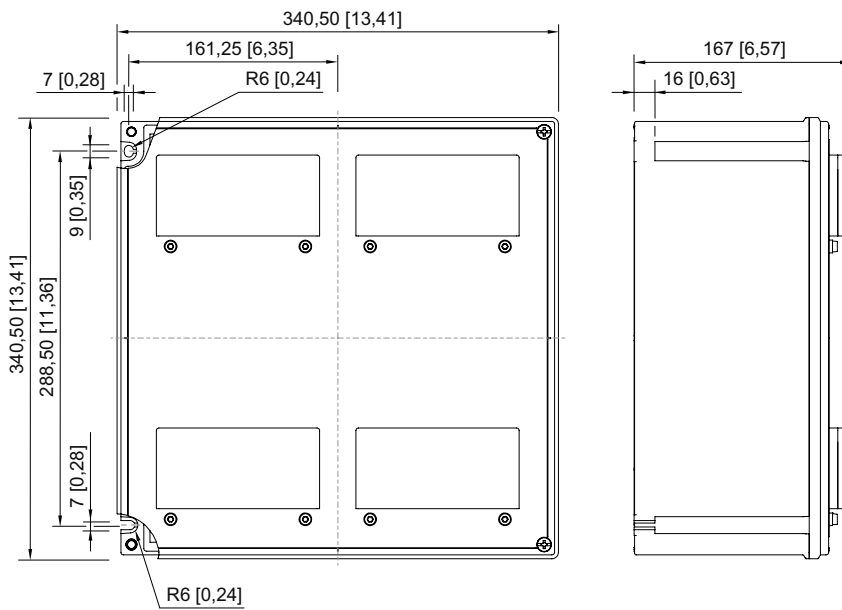
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Enclosure 8146/5073
 for battery box 8316/22-12-0020-1
 for battery box 8316/22-12-0100-1
 for battery box 8316/22-24-0020-1

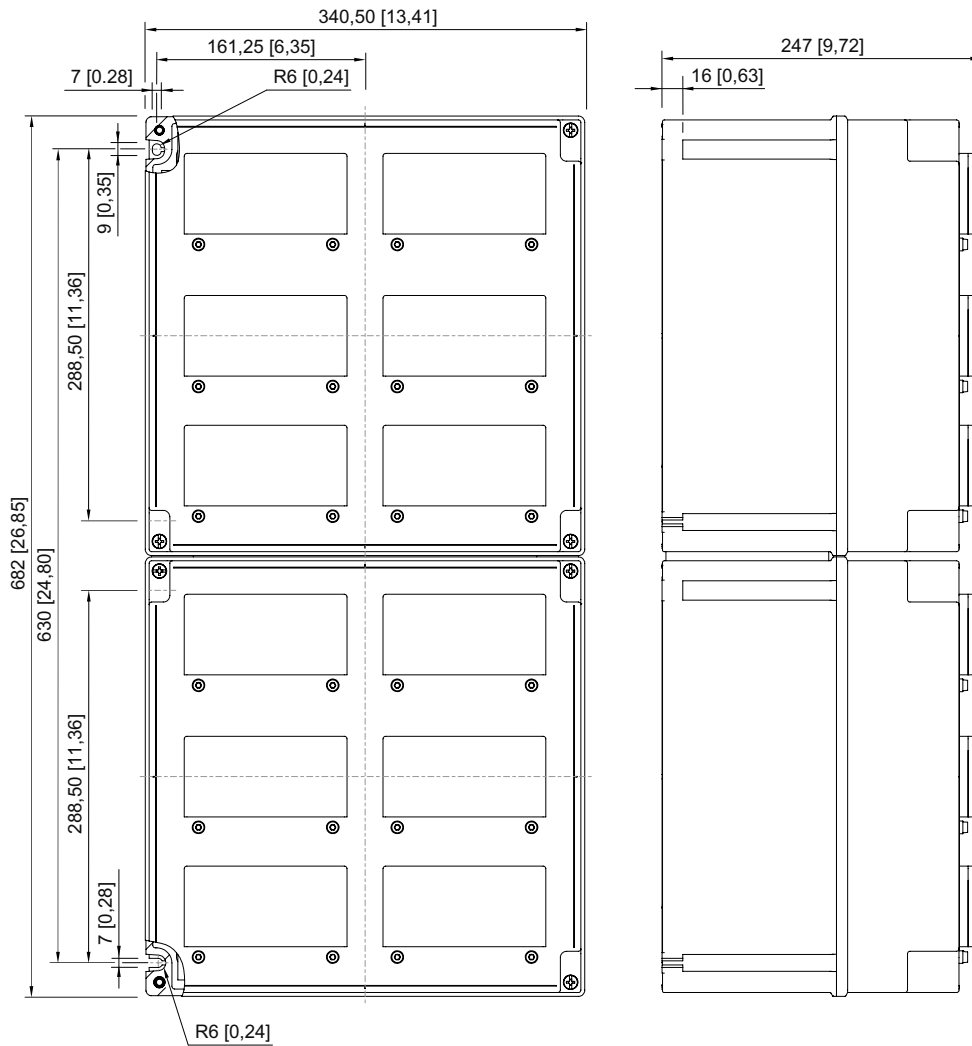


Enclosure 8146/5086
for battery box 8316/22-12-0250-1
for battery box 8316/22-12-0400-1
for battery box 8316/22-12-0600-1



Enclosure 8146/5083
for battery box 8316/22-24-0100-1

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Enclosure 8146/5000

for battery box 8316/22-24-0250-1

for battery box 8316/22-24-0400-1

for battery box 8316/22-24-0600-1