



- Wide temperature range for use
- High mechanical impact and shock resistance
- Perfect protection against the ingress of liquids and dust
- 3D data available to download from the website

E3

WebCode 8581E



R. STAHL Series 8581/12 CES plugs for Zone 1/21 are 4- or 5-pole versions up to 125 A. The floating pins allow them to be inserted and removed quickly and easily. The pivoting strain relief makes it easier to install the cable. Self-cleaning and corrosion-free plug pins made from high-quality materials ensure optimum electrical contact.

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

Selection Table								
Product Description		Plug 100 A / 125 A						
Rated operational current								
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	Weight kg
	3 P + N + PE	6	200/346 ... 240/415 V AC	Red	50 / 60 Hz	8581/12-506	277862	1.371
		7	277/480 ... 288/500 V AC	Black	50 / 60 Hz	8581/12-507	277863	1.371
	3 P + PE	5	600 ... 690 V AC	Black	50 / 60 Hz	8581/12-405	277867	1.266
		6	380 ... 415 V AC	Red	50 / 60 Hz	8581/12-406	277864	1.266
		7	480 ... 500 V AC	Black	50 / 60 Hz	8581/12-407	277865	1.266
		9	200 ... 250 V AC	Blue	50 / 60 Hz	8581/12-409	277866	1.266

Technical Data	
Explosion Protection	
IECEX gas explosion protection	Ex db eb IIC T6 ... T5 Gb
IECEX dust explosion protection	Ex tb IIIC T65 °C ... T85 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex db eb IIC T6 ... T5 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T65 °C ... T85 °C Db
Certificates	ATEX (PTB), Brazil (ULB), IECEX (PTB), Korea (KGS), Taiwan (ITRI)
Notes	CCC certificate available from 2021 onward
Explosion protection note	Product label may vary. Series devices have certification according to ATEX and IECEX.
Electrical Data	
Rated operational current	max. 125 A

### Technical Data

#### Ambient Conditions

Ambient temperature	-45 °C ... +40 °C (T6) -45 °C ... +60 °C (T5)
---------------------	--------------------------------------------------

Notes	For further information, see the operating instructions.
-------	----------------------------------------------------------

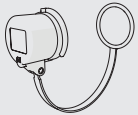
#### Mechanical Data

Degree of protection (IP)	IP66
Degree of protection note	according to IEC/EN 60529
Enclosure material	Polyamide
Silicone-free	No
Finely stranded connection terminals	1 x 2.5 mm <sup>2</sup> ... 1 x 35 mm <sup>2</sup>

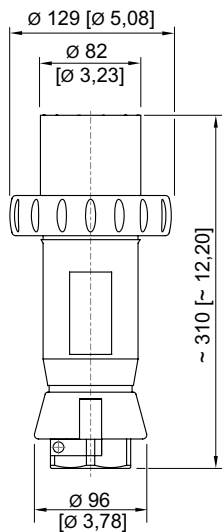
#### Components

Cable diameter	30 ... 45 mm
----------------	--------------

### Spare Parts

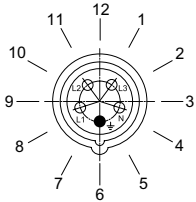
Figure	Description	Art. No.	Weight kg
	Protective cap for plugs 125 A 4-/5-poles	153730	0.120

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

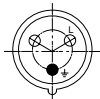


### Arrangement of the Earth Contact Sleeves

Example:  
Clock hour position,  
Front view of plug

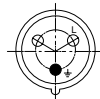


Example:  
Clock hour position



230 V = 6 h

Marking of connections  
Front view of plug



2 P + PE



3 P + PE



3 P + N + PE