



- Suitable for Zones 1, 2, 21 and 22 worldwide
- Degree of protection IP66
- Extreme temperature range of -45 ... +55 °C
- No impact of torsional forces from the cable on the seal
- Strong mechanical protection against damage through high-quality, glass fibre-reinforced plastics

E3

WebCode 8581E



R. STAHL Series 8581/12 CES plugs for Zone 1/21 are 4- or 5-pole 125 A plugs. 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.

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

Selection Table								
Detailed number of poles		4 P (3 P + PE)						
Rated operational current		125 A						
Figure	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	6	380 – 415 V	Red	50 – 60 Hz	8581/12-406	153514 ▲	10	1.280
	7	480 – 500 V	Black	50 – 60 Hz	8581/12-407	153521 ▲	10	1.280
	9	200 – 250 V	Blue	50 – 60 Hz	8581/12-409	153527 ▲	10	1.280
Detailed number of poles		5 P (3 P + N + PE)						
Rated operational current		125 A						
Figure	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	6	200 – 240 V / 346 – 415 V	Red	50 – 60 Hz	8581/12-506	153470 ▲	10	1.380
	7	277 – 288 V / 480 – 500 V	Black	50 – 60 Hz	8581/12-507	153476	10	1.380

Variants with temperature range of -45 °C available on request

Technical Data	
Explosion Protection	
Ambient temperature °C	-30 ... +45 °C
Gas explosion protection IECEx	Ex db eb IIC T5 Gb
Gas explosion protection ATEX	Ex II 2 G Ex db eb IIC T5 Gb
Dust explosion protection IECEx	Ex tb IIIC T95 °C Db
Dust explosion protection ATEX	Ex II 2 D Ex tb IIIC T95 °C Db

Technical Data
Explosion Protection

Ambient temperature °C 2	-30 ... +40 °C
Gas explosion protection IECEx 2	Ex db eb IIC T6 Gb
Gas explosion protection ATEX 2	⊕ II 2 G Ex db eb IIC T6 Gb
Dust explosion protection IECEx 2	Ex tb IIIC T80 °C Db
Dust Explosion Protection ATEX 2	⊕ II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), Brazil (ULB), EAC (LPE), IECEx (PTB), Korea (KGS)

Ambient Conditions

Notes	T6: 125 A -30 ... +40 °C T6: 110 A -30 ... +45 °C T5: 125 A -30 ... +45 °C T5: 110 A -30 ... +55 °C Silicone is used as a sealing material for variants with an ambient temperature of -45 °C.
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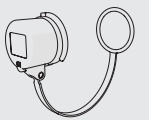
Mechanical Data

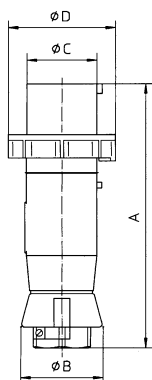
Degree of protection (IP)	IP66
Degree of protection note	according to IEC/EN 60529
Enclosure material	Polyamide, Glass fibre reinforced
Silicone-free	Yes
Connection terminals min.	35 mm ²

Components

Cable diameter	30 – 49 mm
Cable diameter note	Ring 1 + 2 + 3 + 4: 30 ... 35 mm Ring 2 + 3 + 4: 35 ... 40 mm Ring 3 + 4: 40 ... 45 mm Ring 4: 45 ... 49 mm

Accessories and Spare Parts

Figure	Description	Art. No.	Weight kg
	4-/5-poles	153730	0.120

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


A = 310.5 mm B = 96 mm C = 82 mm D = 125 mm