



- Large temperature range of use
- High mechanical impact and shock resistance
- Perfect protection against penetration of liquids and dusts
- 3D data for download on the website

E3

MY R. STAHL 8573C



The new R. STAHL Series 8573/14 couplings are designed for 2- or 3-pole applications up to 16 A for extra-low voltages up to 50 V. The robust, chemical-resistant plastic allows for a compact design. Self-cleaning lamellar contacts provide optimum contact. The integrated rotary switch mechanism and the integrated locking device reliably prevent the plugs from disconnecting under load.

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

Selection Table

Product description		16 A compact coupling Extra-low voltage						
Figure	Detailed number of poles	Coding (clock hour position)	AC rated operational voltage	Colour code	Frequency range	Product Type	Art. No.	Weight
	2 P	0	20 ... 25 V AC	Violet	50 / 60 Hz	8573/14-200	243182	300 g
		2	20 ... 25 & 40 ... 50 V AC	Green	300 Hz	8573/14-202	243183	300 g
		3	20 ... 25 & 40 ... 50 V AC	Green	400 Hz	8573/14-203	243184	300 g
		4	20 ... 25 & 40 ... 50 V AC	Green	100 – 200 Hz	8573/14-204	243185	300 g
		10	20 ... 25 V DC	Violet	–	8573/14-210	243188	300 g
		11	20 ... 25 & 40 ... 50 V AC	Green	> 400 – 500 Hz	8573/14-211	243186	300 g
		12	40 ... 50 V AC	Light grey	50 / 60 Hz	8573/14-212	243187	300 g
	3 P	0	20 ... 25 V AC	Violet	50 / 60 Hz	8573/14-300	243175	300 g
		2	20 ... 25 & 40 ... 50 V AC	Green	300 Hz	8573/14-302	243176	300 g
		3	20 ... 25 & 40 ... 50 V AC	Green	400 Hz	8573/14-303	243177	300 g
		4	20 ... 25 & 40 ... 50 V AC	Green	100 – 200 Hz	8573/14-304	243178	300 g
		11	20 ... 25 & 40 ... 50 V AC	Green	> 400 – 500 Hz	8573/14-311	243179	300 g
		12	40 ... 50 V AC	Light grey	50 / 60 Hz	8573/14-312	243180	300 g

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEx China (CQST)
IECEx gas explosion protection	Ex db eb IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T70 °C Db
ATEX gas explosion protection	II 2 G Ex db eb IIC T6 Gb
ATEX dust explosion protection	II 2 D Ex tb IIIC T70 °C Db
Certificates	ATEX (PTB), China (CQST), IECEx (PTB)
Declaration of conformity	ATEX (EUK), China (CCC)
Explosion protection note	Product label may vary. Series devices are labelled with ATEX and IECEx.

Electrical Data

Rated operational current	max. 16 A
Notes	The current must be reduced to 12 A for frequencies ≥ 100 Hz

Ambient Conditions

Ambient temperature	-50 °C to +60 °C
Notes	For further information, see the operating instructions.

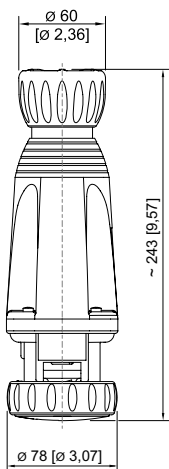
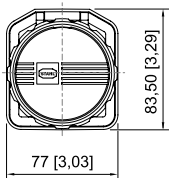
Mechanical Data

Degree of protection IP (IEC 60529)	IP66
IP degree of protection (IEC 60079)	IP64
Enclosure material	Polyamide, Glass fibre reinforced
Silicone-free	No
Silicone-free note	Optional: Silicone-free variant available on request (ambient temperature -40 °C to +60 °C)
Impact strength (IEC 60079)	7 J

Components

Cable diameter	8 – 15 mm
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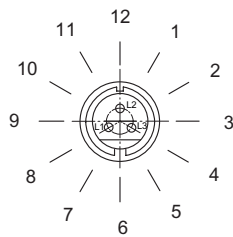
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Coupling

Arrangement of earth contact sleeves

Position: Clock hour position,
view: Front side of the coupling



Arrangement of socket contacts and terminal markings



2 P



3 P

Arrangement of the socket contacts and terminal markings in the 12 h position
(view from the front side of the coupling to the socket contacts)