

Ignition and sensing electrodes FE, FZE

TECHNICAL INFORMATION

- For ignition and monitoring of gas burners
- Available in various lengths, both with and without an insulator
- Optionally available accessories



Contents

Contents2

1 Application3

2 Selection4

3 Accessories5

 3.1 Electrode holders.5

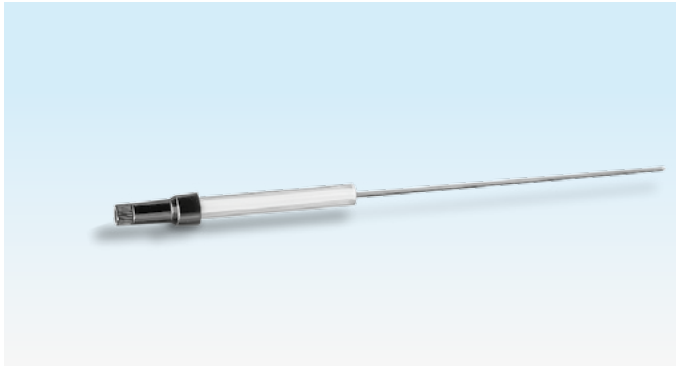
 3.2 Electrode plugs5

4 Technical data.6

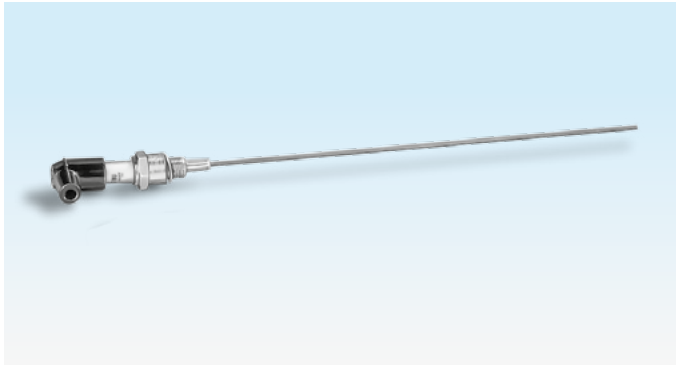
 4.1 Dimensions6

Fore more information7

1 Application



FE with straight electrode plug



FZE with angle electrode plug

The ignition and sensing electrodes FE and FZE are designed for ignition and monitoring of gas burners. The ignition and sensing electrode FZE is available in various lengths, both with and without an insulator. For optionally available accessories such as electrode holders or plugs, see page 5 (Electrode holders).

2 Selection

FE

Electrode with insulator for ignition and monitoring

Option	FE
Insulator	•
Length of electrode rod [mm]	200

FZE

Electrodes with or without insulator for ignition and monitoring

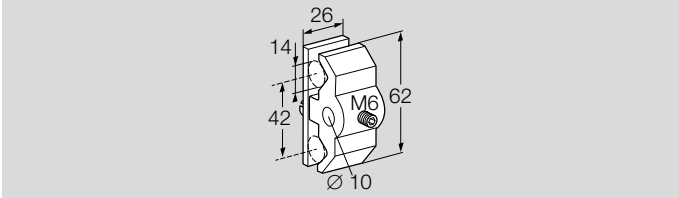
Option	FZE
Insulator	with or without
Length of electrode rod [mm]	300, 400, 500, 600 ¹⁾

¹⁾ Other lengths on request.

3 Accessories

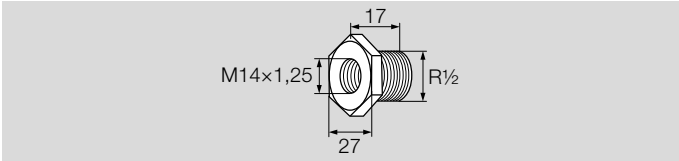
3.1 Electrode holders

FE



Order No. 75442337

FZE



Adapter piece R1/2–M14 × 1.25
Order No. 34453650

3.2 Electrode plugs

Plugs	Description
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 33, flange diameter Ø20.8, and base diameter Ø14.6. The height of the flange is 35.8.	Connection Ø: 4 mm, Material: PBT, Order No. 04115301

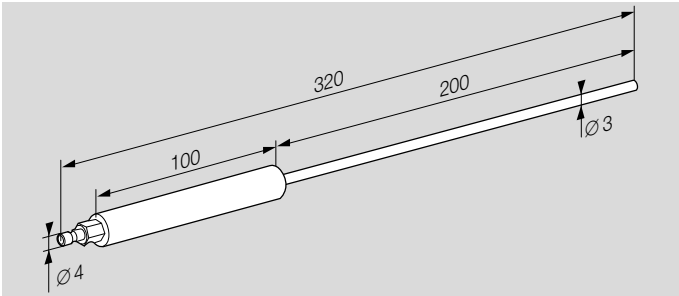
Plugs	Description
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 52, flange diameter Ø19.8, and base diameter Ø14.	Connection Ø: 4 mm, Material: PBT, Order No. 04115302
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 62.5, flange diameter Ø20, and base diameter Ø11.5.	Connection Ø: 6 mm, Interference suppressed, Material: PBT, Order No. 04115306
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 36.6, flange diameter Ø22.8, and base diameter Ø14. The height of the flange is 54.4.	Connection Ø: 4 mm, Interference suppressed, Material: PBT, Order No. 04115308
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 21, flange diameter Ø18, and base diameter Ø10. The height of the flange is 29.	Connection Ø: 4 mm, Material: Silicone rubber, Order No. 04115309
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 80, flange diameter Ø41, and base diameter Ø10. The height of the flange is 41. There is a small hole with a diameter of 4.	Connection Ø: 4 mm, Interference suppressed, Material: PBT, Silicone rubber, splash proof, Bestell-Nr. 75459221
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 50, flange diameter Ø20, and base diameter Ø12.	Connection Ø: 4 mm, Material: Ceramics, Order No. 04115314
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: total length 52.5, flange diameter Ø10, and base diameter Ø7.6.	Connection Ø: 7 mm, Interference suppressed, Material: Epoxy resin, Order No. 04115319

4 Technical data

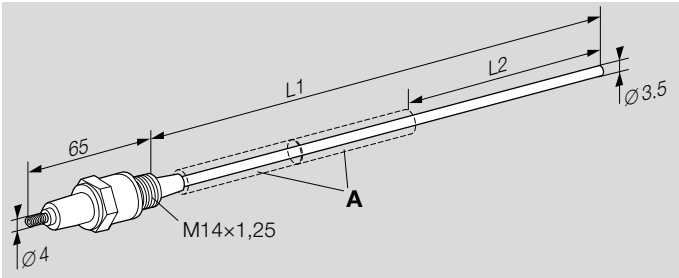
Electrode material: heating conductor quality.

4.1 Dimensions

FE



FZE



Type	L1 [mm]	L2 [mm]	Insulator A (Ø 11 mm, length = 100 mm)
FZE 300	300	–	–
FZE 400	400	–	–
FZE 500	500	–	–
FZE 600	600	–	–
FZE 300 insulated	300	185	1x
FZE 400 insulated	400	185	2x
FZE 500 insulated	500	185	3x
FZE 600 insulated	600	185	4x

Fore more information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Safety, Eclipse, Exothermics, Hauck, Kromschöder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

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