

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

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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

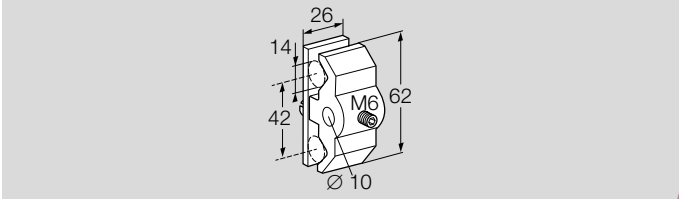
Option	FZE
Insulator	with or without
Length of electrode rod [mm]	300, 400, 500, 600 ¹⁾

¹⁾ Other lengths on request.

3 Accessories

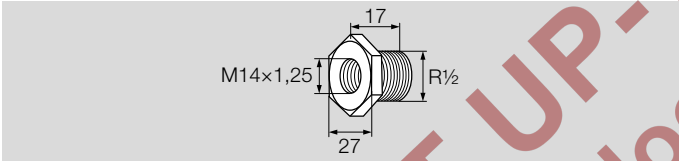
3.1 Electrode holders

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: top diameter 33, side height 35.8, top face diameter Ø20.8, and bottom face diameter Ø14.6.	Connection Ø: 4 mm, Material: PBT, Order No. 04115301

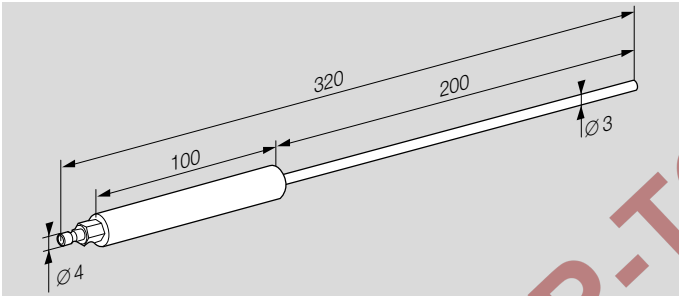
Plugs	Description
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: top diameter 52, side height Ø14, and top face diameter Ø19.8.	Connection Ø: 4 mm, Material: PBT, Order No. 04115302
A technical drawing of an electrode plug. It is a cylindrical component with a flange. The dimensions are: top diameter 62.5, side height Ø11.5, and top face diameter Ø20.	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: top diameter 36.6, side height 54.4, top face diameter Ø22.8, and bottom face diameter Ø14.	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: top diameter 21, side height 29, top face diameter Ø18, and bottom face diameter Ø10.	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: top diameter 80, side height 41, top face diameter 10, and bottom face diameter 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: top diameter 50, side height Ø12, and top face diameter Ø20.	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: top diameter 52.5, side height Ø7.6, and top face diameter Ø10.	Connection Ø: 7 mm, Interference suppressed, Material: Epoxy resin, Order No. 04115319

4 Technical data

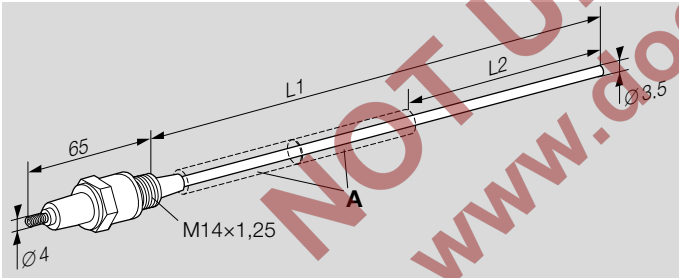
Electrode material: heating conductor quality.

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 insulat- ed	300	185	1x
FZE 400 insulat- ed	400	185	2x
FZE 500 insulat- ed	500	185	3x
FZE 600 insulat- ed	600	185	4x

For more information

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

Elster GmbH
Strothweg 1, D-49504 Lotte
T +49 541 1214-0
hts.lotte@honeywell.com
www.kromschroeder.com

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