

## NEW: PLUG-IN CONNECTORS 230 V

Making the electrical connections for the lights requires a great deal of work and effort as a rule when setting up and operating lighting equipment in mining. Hamacher GmbH is offering as part of its comprehensive range of lighting and switching equipment for universal application a connector plug for 230 V [(type a) acc. to EN50014] – of course with EU type approval, certification in compliance with directive 94/9/EG (ATEX).

### Technical features:

- ◆ *Sockets for installation onto housings of protection types “flameproof enclosure” and / or “increased safety” with screw-in threads M 40 x 1.5 or Pg 29, completely cast with free cable ends*
- ◆ *Plugs to lead into sockets and to connect cables*
- ◆ *Dummy plug with built-in last link for cable termination*
- ◆ *Installation-type sockets and plugs with pins or liners*
- ◆ *Plugs for cable diameters ranging from 18 to 26 mm*
- ◆ *Separation is done in three stages: latching current circuit – voltage-free main contacts – earth (PE)*
- ◆ *Optimum installation possibilities thanks to small external diameter of the plug-in connectors (max. 55 mm)*



## Technical data:

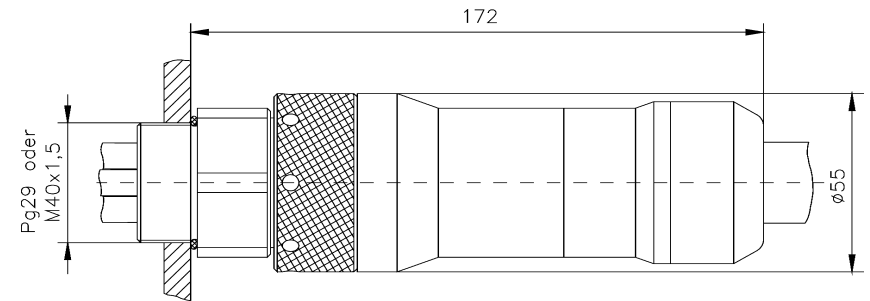
- ◆ *Rated voltage:* 230 V
- ◆ *Rated current:* 63 A
- ◆ *Latching current circuit:* 42 V / 250 mA
- ◆ *Cable cross-sections:* Up to 10 mm<sup>2</sup>
- ◆ *Cable external diameters:* 18 to 26 mm
- ◆ *Lengths:*
  - Plug-in connector complete (housing/cable)* 187 mm
  - of which outside the housing 172 mm
  - free cable ends 400 mm
  - Plug-in coupling complete* 196 mm
- ◆ *External diameter max. :* 55 mm
- ◆ *Weight of complete plug-in connector approx.:* 1600 g
- ◆ *Ambient temperature:* -20 to 40 °C

## Types of protection :

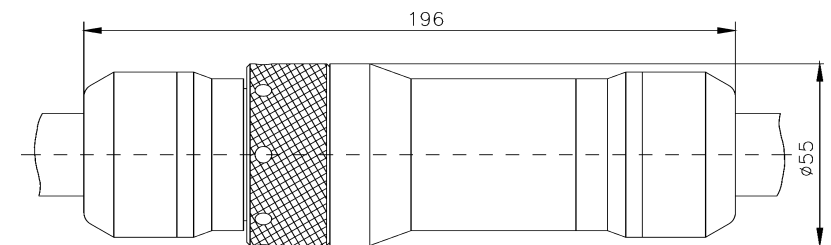
- ◆ *Type of protection:* IM2 EExd I ; EExdl

## Certification :

IBExU01ATEX1002 X  
KDB Nr 01.E.117X

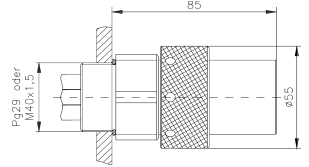

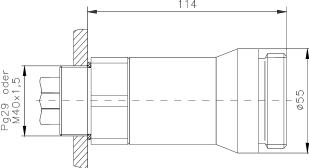

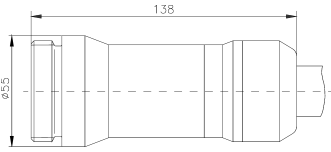

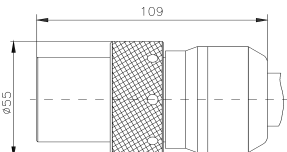

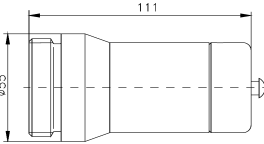



*Plug-in connector (housing for installation)*



*Plug-in coupling complete*

## Modules of plug-in connector 230 V type HA-SV:

Description	Type	Part No.		
Installation socket with pins	HA-SVGS 230	HA-123110		
Installation socket with liners	HA-SVGB 230	HA-123120		
Plug with pins	HA-SVLS 230	HA-123310		
Plug with liners	HA-SVLB 230	HA-123320		
Dummy plug with last link with pins	HA-SVBS 230	HA-123510		
Dummy plug with last link with liners	HA-SVBB 230	HA-123520	