



## Cable plug, form A according to DIN EN 175301-803

- Degree of protection IP65
- UL Recognized for USA and Kanada

Product variants described in the data sheet may differ from the product presentation and description.

### Type description

Cable plug 2509 for connection of electrical components according to DIN EN 175301-803.

## Table of contents

<b>1. General technical data</b>	<b>3</b>
<b>2. Approvals and conformities</b>	<b>3</b>
2.1. General notes .....	3
2.2. Conformity .....	3
2.3. Standards.....	3
2.4. North America (USA/Canada).....	4
<b>3. Dimensions</b>	<b>4</b>
<b>4. Ordering information</b>	<b>5</b>
4.1. Burkert eShop .....	5
4.2. Burkert product filter.....	5
4.3. Ordering chart.....	5

## 1. General technical data

### Product properties

Dimensions	Further information can be found in chapter " <a href="#">3. Dimensions</a> " on page 4.
<b>Material</b>	
Flat seal	NBR
Body	Polyamide
Contacts	Copper alloy, silver-plated
Cable outlet	Vertically to the plug bottom, insert can be rotated by $4 \times 90^\circ$
Flying leads cross section	$\leq 3 \text{ mm}^2$
Number of pins	2-pin + protective conductor

### Electrical data

Maximum continuous current	6 A
Nominal voltage	0...250 V AC/DC

### Process/Port connection and communication

Connectable cable	Max. 6.5 mm
Connection type	Screw-type terminal
Electrical connection	According to DIN EN 175301 - 803 form A
Connection thread	NPT $1/2"$

### Approvals and conformities

Flammability class (insert)	UL94 HB
Flammability class (body & cover)	UL94 V-0, 5 VA
Degree of protection	IP65 (NEMA 4X)
North America (USA/Canada)	Further information can be found in chapter " <a href="#">2.4. North America (USA/Canada)</a> " on page 4.

### Environment and installation

Ambient temperature	-40 °C...+90 °C (-40 °F...+194 °F)
---------------------	------------------------------------

## 2. Approvals and conformities

### 2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available versions can be supplied with the below mentioned approvals or conformities.

### 2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

### 2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

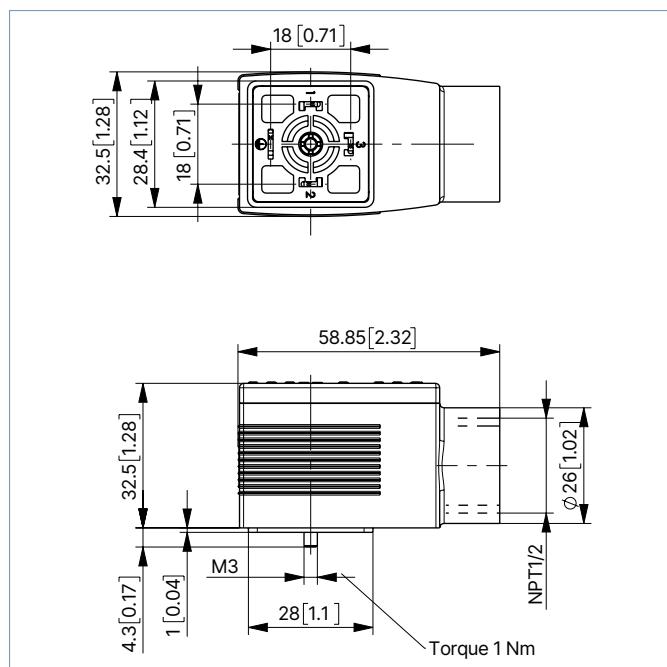
## 2.4. North America (USA/Canada)

Approval	Description
 <b>UL</b> ® US	<p><b>Optional: UL Recognized for the USA and Canada</b></p> <p>The products are UL Recognized for the USA and Canada according to:</p> <ul style="list-style-type: none"><li>• UL 2238 Cable assemblies and Fittings for Industrial Control and Signal distribution</li><li>• CSA Standard C 22.2 No. 182.3-M1987 – Special Use Attachment Plugs, Receptacles, and Connectors</li></ul>

### 3. Dimensions

**Note:**

**Note:** Dimensions in mm [inch]



## 4. Ordering information

### 4.1. Bürkert eShop



#### Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

### 4.2. Bürkert product filter

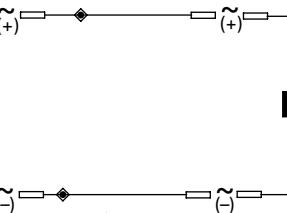


#### Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

### 4.3. Ordering chart

Circuit diagram	Operating voltage [V/Hz]	Continuous current [A]	Article no.
<b>Without circuitry (Standard)</b>			
	0...250 V AC/DC	Max. 6 A	137943 