

# SACC-CIM12MS4PL180THRSHSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Sensor/actuator flush-type connector, connector, 4-pos., shielded, A-coded, with straight THR solder connection, only contact insert

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1413549       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | ABQAGA        |
| GTIN                                 | 4055626007991 |
| Weight per piece (including packing) | 3.6 g         |
| Weight per piece (excluding packing) | 2.403 g       |
| Country of origin                    | DE            |

# SACC-CIM12MS4PL180THRSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

## Technical data

### Notes

|                    |  |
|--------------------|--|
| Notes on operation | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
|--------------------|--|

### Product properties

|                     |                |
|---------------------|----------------|
| Product type        | Contact insert |
| Number of positions | 4              |
| Shielded            | yes            |
| Coding              | A              |
| Thread type         | M12            |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 3  |

### Electrical properties

|                       |        |
|-----------------------|--------|
| Rated surge voltage   | 2.5 kV |
| Nominal voltage $U_N$ | 250 V  |
| Nominal current $I_N$ | 4 A    |

### Connection data

|                   |                       |
|-------------------|-----------------------|
| Connection method | THR solder connection |
|-------------------|-----------------------|

### Interfaces

|                      |           |
|----------------------|-----------|
| Signal type/category | Universal |
|----------------------|-----------|

### Material specifications

|  |      |
|--|------|
| Material Contact carrier               | PPA  |
| Material Contact                       | CuZn |
| Material Contact surface               | Au   |
| Material Seal                          | FKM  |
| Flammability rating according to UL 94 | V0   |

### Connector

#### Connection 1

|                   |          |
|-------------------|----------|
| Head design       | Pin      |
| Head cable outlet | straight |
| Head thread type  | M12      |
| Coding            | A        |

# SACC-CIM12MS4PL180THRSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

## Cable/line

|                      |           |
|----------------------|-----------|
| Signal type/category | Universal |
|----------------------|-----------|

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 100 |
|-----------------------------|-------|

## Environmental and real-life conditions

### Ambient conditions

|   |   |
|---|---|
| Degree of protection  | IP67  |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C<br>-40 °C ... 85 °C (without mechanical actuation) |
| UL Type Rating  | Type 4 (indoor use only)  |

## Standards and regulations

|                          |                              |
|--------------------------|------------------------------|
| Standard designation     | M12 circular connector       |
| Standards/specifications | according to IEC 61076-2-101 |

# SACC-CIM12MS4PL180THRSHSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

## Drawings

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

# SACC-CIM12MS4PL180THRSAMPLE - Contact carrier




1413549

<https://www.phoenixcontact.com/us/products/1413549>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1413549>

|  <b>cULus Recognized</b><br>Approval ID: E221474-20140616 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 250 V                 | 4 A                   | -                 | -                           |

# SACC-CIM12MS4PL180THRSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440223 |
| ECLASS-15.0 | 27440223 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003557 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# SACC-CIM12MS4PL180THRSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)