

SACC-CI-M12FSL-4CON-L180 THR T - Contact carrier



1425604

<https://www.phoenixcontact.com/us/products/1425604>

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Contact carrier, Power, 4-position, Socket, straight, M12, coding: L, PCB mounting, THR solder connection

Your advantages

- For compact devices: transmit high power in a confined space
- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration, thanks to mechanical port screw connections with threaded fastening
- Additional gasket for the device when not plugged in

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1425604 |
| Packing unit | 60 pc |
| Minimum order quantity | 60 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB23 |
| Product key | ABQAGW |
| GTIN | 4055626428406 |
| Weight per piece (including packing) | 4.768 g |
| Weight per piece (excluding packing) | 4.66 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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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 |
| Application | Power |
| Sensor type | Power |
| Number of positions | 4 |
| Seal present | yes |
| Coding | L |
| Thread type | M12 |

Data management status

| | |
|------------------|----|
| Article revision | 02 |
|------------------|----|

Insulation characteristics

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

Electrical properties

| | |
|-----------------------|--------|
| Rated surge voltage | 1.5 kV |
| Nominal voltage U_N | 63 V |
| Nominal current I_N | 16 A |

Connection data

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

Interfaces

| | |
|----------------------|-------|
| Signal type/category | Power |
|----------------------|-------|

Material specifications

| | |
|----------------------------------------|-------|
| Flammability rating according to UL 94 | V0 |
| Seal material | FKM |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 4T |

Connector

Connection 1

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| | |
|-------------------|----------|
| Head design | Socket |
| Head cable outlet | straight |
| Head thread type | M12 |
| Coding | L |

Cable/line

| | |
|----------------------|-------|
| Signal type/category | Power |
|----------------------|-------|

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|----------------------------------------|-----------------------------------------------------------------------|
| Degree of protection (when plugged in) | IP67 (correctly plugged in and locked) |
| Degree of protection | IP67 (correctly plugged in and locked) IP67, when plugged in |
| Ambient temperature (operation) | -25 °C ... 105 °C -40 °C ... 105 °C (without mechanical actuation) |

Standards and regulations

M12

| | |
|--------------------------|-----------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-111 |
| Note | In line with |

Mounting

| | |
|---------------|--------------|
| Mounting type | PCB mounting |
|---------------|--------------|

Packaging specifications

| | |
|-------------------|-------------------|
| Type of packaging | Tray |
| Delivery state | with assembly pad |

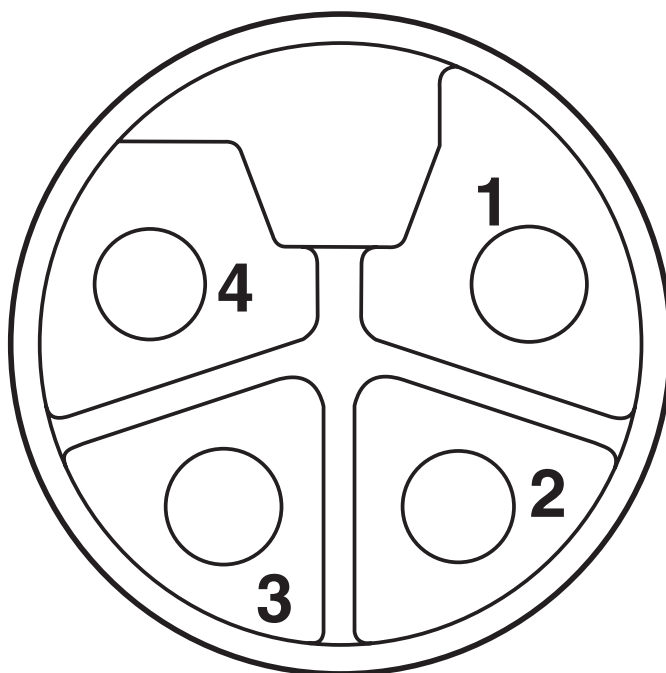
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Drawings

Schematic diagram



Pin assignment of M12 socket, 4-pos., L-coded, socket side view

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1425604>

|  cULus Recognized Approval ID: E468743-20180113 | | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | | 63 V | 16 A | - | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440109 |
| ECLASS-12.0 | 27440109 |
| ECLASS-13.0 | 27460201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002637 |
|----------|----------|

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

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