

## Technical data sheet

### Connection cable

Part no.: 50143054

KD PL-M12-5A-P0-100

#### Contents

- Technical data
- Electrical connection
- Circuit diagrams

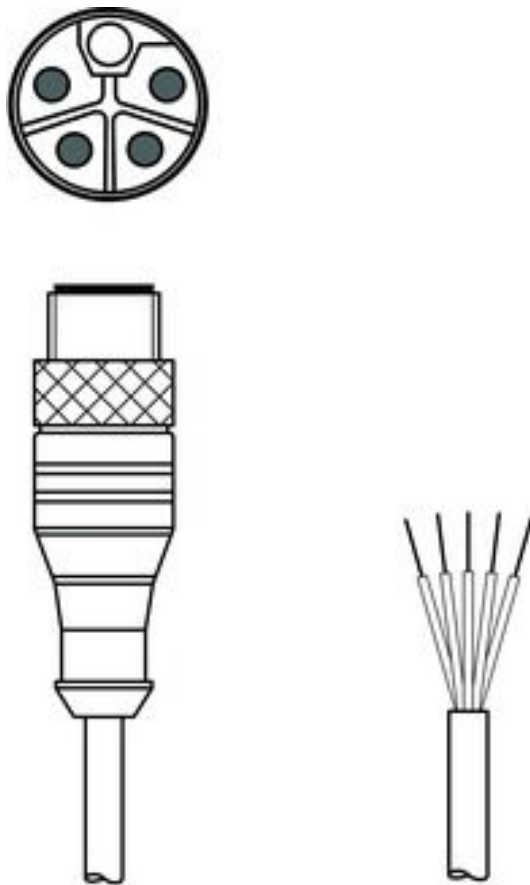


Figure can vary



## Technical data

### Basic data

|              |         |
|--------------|---------|
| Suitable for | MD 748i |
|--------------|---------|

### Electrical data

#### Performance data

|                   |                   |
|-------------------|-------------------|
| Operating voltage | 50 V AC / 60 V DC |
|-------------------|-------------------|

### Connection

#### Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
|--------------------|-----------|

|             |     |
|-------------|-----|
| Thread size | M12 |
|-------------|-----|

|      |        |
|------|--------|
| Type | Female |
|------|--------|

|             |        |
|-------------|--------|
| No. of pins | 5 -pin |
|-------------|--------|

|          |         |
|----------|---------|
| Encoding | L-coded |
|----------|---------|

|         |       |
|---------|-------|
| Version | Axial |
|---------|-------|

#### Cable properties

|                      |            |
|----------------------|------------|
| Number of conductors | 5 Piece(s) |
|----------------------|------------|

|                    |                     |
|--------------------|---------------------|
| Wire cross section | 1.5 mm <sup>2</sup> |
|--------------------|---------------------|

|                 |      |
|-----------------|------|
| Sheathing color | Gray |
|-----------------|------|

|          |     |
|----------|-----|
| Shielded | Yes |
|----------|-----|

|              |                                    |
|--------------|------------------------------------|
| Cable design | Connection cable (open on one end) |
|--------------|------------------------------------|

|                           |      |
|---------------------------|------|
| Cable diameter (external) | 8 mm |
|---------------------------|------|

|              |           |
|--------------|-----------|
| Cable length | 10,000 mm |
|--------------|-----------|

|                    |     |
|--------------------|-----|
| Sheathing material | PUR |
|--------------------|-----|

|                             |     |
|-----------------------------|-----|
| Suitability for drag chains | Yes |
|-----------------------------|-----|

|               |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| Traverse rate | Max. 5 m/s with horiz. traverse path of 5m and and max. acceleration of 50m/s <sup>2</sup> |
|---------------|--------------------------------------------------------------------------------------------|

### Mechanical data

|                |                     |
|----------------|---------------------|
| Bending cycles | 10,000,000 Piece(s) |
|----------------|---------------------|

|                                       |                           |
|---------------------------------------|---------------------------|
| Bending radius, flexible laying, min. | Min. 7.5 x cable diameter |
|---------------------------------------|---------------------------|

|                                         |                         |
|-----------------------------------------|-------------------------|
| Bending radius, stationary laying, min. | Min. 4 x cable diameter |
|-----------------------------------------|-------------------------|

### Environmental data

|                                              |               |
|----------------------------------------------|---------------|
| Ambient temperature, operation, flexible use | -30 ... 90 °C |
|----------------------------------------------|---------------|

|                                                |               |
|------------------------------------------------|---------------|
| Ambient temperature, operation, stationary use | -40 ... 90 °C |
|------------------------------------------------|---------------|

### Certifications

|                      |       |
|----------------------|-------|
| Degree of protection | IP 65 |
|----------------------|-------|

IP 67

IP 69K

|                |         |
|----------------|---------|
| Certifications | c UL US |
|----------------|---------|

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85444290 |
|-----------------------|----------|

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27279218 |
|------------|----------|

|            |          |
|------------|----------|
| eCl@ss 9.0 | 27060311 |
|------------|----------|

|          |          |
|----------|----------|
| ETIM 5.0 | EC001855 |
|----------|----------|

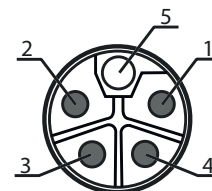
|          |          |
|----------|----------|
| ETIM 6.0 | EC001855 |
|----------|----------|

## Electrical connection

### Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Female    |
| No. of pins        | 5 -pin    |
| Encoding           | L-coded   |
| Version            | Axial     |

| Pin | Conductor color |
|-----|-----------------|
| 1   | Brown           |
| 2   | White           |
| 3   | Blue            |
| 4   | Black           |
| 5   | Gray            |



Circuit diagrams

Wiring schematic

