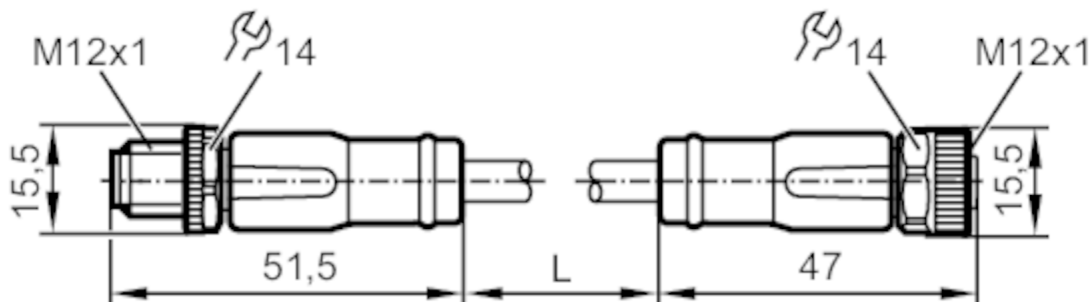


# EVCB49



## Connection cable

VDOGH040MSS0002K04STGH040MSS



### Application

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Special feature    | Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability |
| Free from silicone | yes                                                                                            |

### Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Operating voltage [V]       | < 50 AC / < 60 DC |
| Protection class            | III               |
| Max. current load total [A] | 4                 |

### Operating conditions

|                                                                 |                     |
|-----------------------------------------------------------------|---------------------|
| Ambient temperature [°C]                                        | -25...90            |
| Ambient temperature (moving) [°C]                               | -25...90            |
| Storage temperature [°C]                                        | -25...55            |
| Storage humidity [%]                                            | 10...100            |
| Other climatic conditions for storage according to stated class | 1K22/ DIN 60721-3-1 |
| Protection                                                      | IP 65; IP 67        |

### Mechanical data

|                        |                      |
|------------------------|----------------------|
| Weight [g]             | 116.75               |
| Moulded-body material  | TPU                  |
| Material nut           | brass, nickel-plated |
| Sealing material       | FKM                  |
| Drag chain suitability | yes                  |

# EVCB49



## Connection cable

VDOGH040MSS0002K04STGH040MSS

|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Drag chain suitability | bending radius for flexible use | min. 10 x cable diameter                                                                       |
|                        | travel speed                    | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | bending cycles                  | > 2 Mio.                                                                                       |
|                        | torsional strain                | ± 180 °/m                                                                                      |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

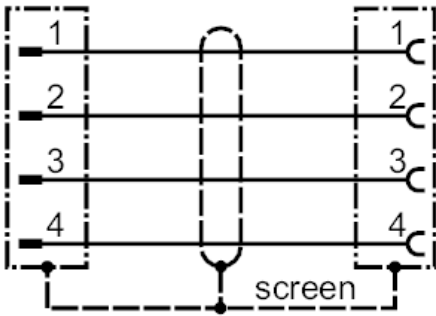
Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



### Electrical connection

Cable: 2 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



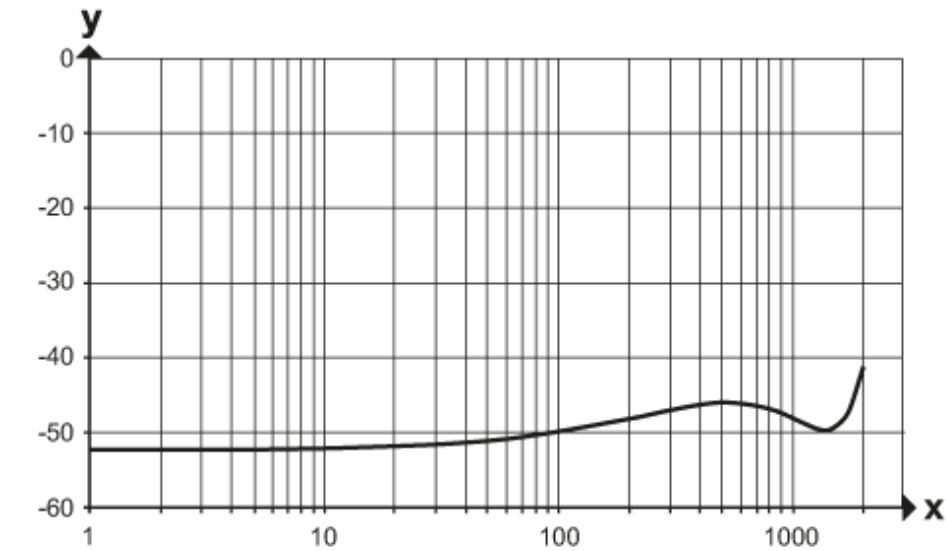


Connection cable

VDOGH040MSS0002K04STGH040MSS

Diagrams and graphs

Shielding characteristics



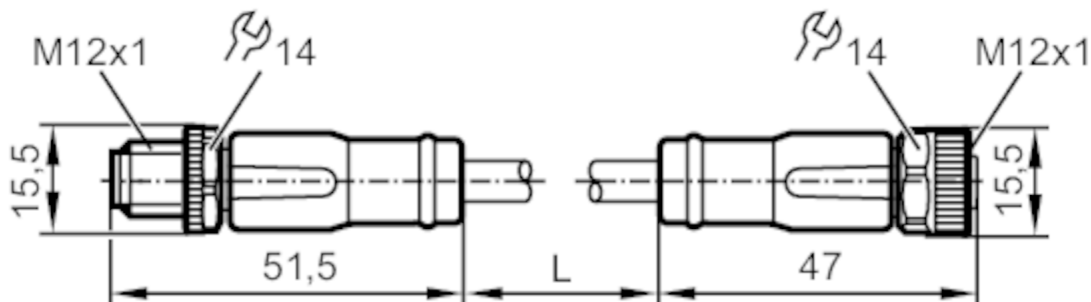
x frequency (MHz)  
y Shielding characteristics (dB)  
according to DIN EN 60512-23-3

# EVCB50



## Connection cable

VDOGH040MSS0005K04STGH040MSS



| Application                                                     |      |                                                                                                |
|-----------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|
| Special feature                                                 |      | Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability |
| Free from silicone                                              |      | yes                                                                                            |
| Electrical data                                                 |      |                                                                                                |
| Operating voltage                                               | [V]  | < 50 AC / < 60 DC                                                                              |
| Protection class                                                |      | III                                                                                            |
| Max. current load total                                         | [A]  | 4                                                                                              |
| Operating conditions                                            |      |                                                                                                |
| Ambient temperature                                             | [°C] | -25...90                                                                                       |
| Ambient temperature (moving)                                    | [°C] | -25...90                                                                                       |
| Storage temperature                                             | [°C] | -25...55                                                                                       |
| Storage humidity                                                | [%]  | 10...100                                                                                       |
| Other climatic conditions for storage according to stated class |      | 1K22/ DIN 60721-3-1                                                                            |
| Protection                                                      |      | IP 65; IP 67                                                                                   |
| Mechanical data                                                 |      |                                                                                                |
| Weight                                                          | [g]  | 233.1                                                                                          |
| Moulded-body material                                           |      | TPU                                                                                            |
| Material nut                                                    |      | brass, nickel-plated                                                                           |
| Sealing material                                                |      | FKM                                                                                            |
| Drag chain suitability                                          |      | yes                                                                                            |

# EVCB50



## Connection cable

VDOGH040MSS0005K04STGH040MSS

|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Drag chain suitability | bending radius for flexible use | min. 10 x cable diameter                                                                       |
|                        | travel speed                    | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | bending cycles                  | > 2 Mio.                                                                                       |
|                        | torsional strain                | ± 180 °/m                                                                                      |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

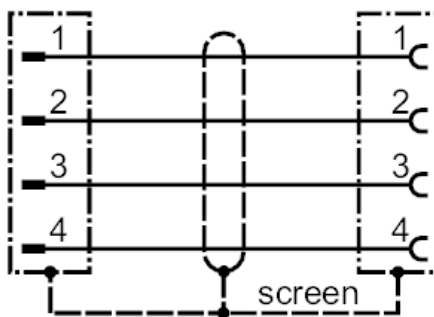
Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



### Electrical connection

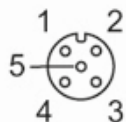
Cable: 5 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



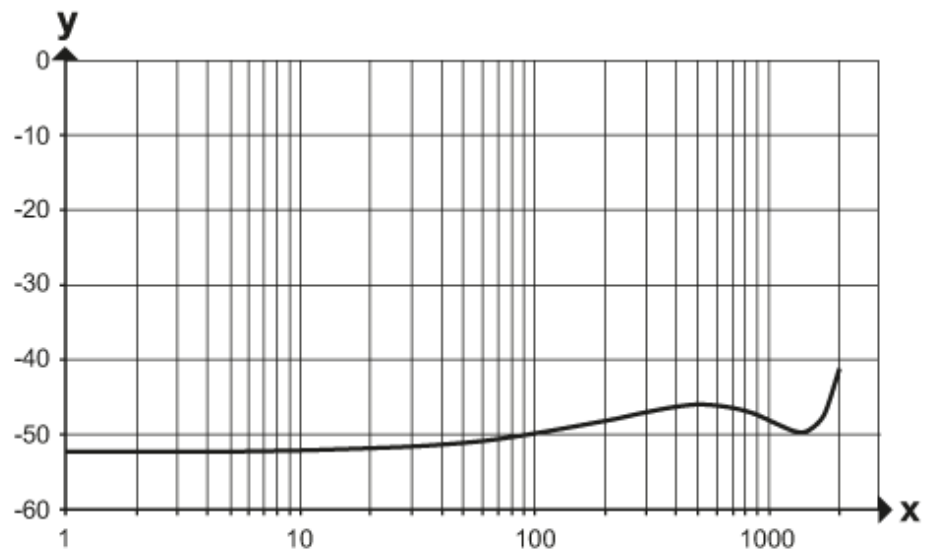


## Connection cable

VDOGH040MSS0005K04STGH040MSS

### Diagrams and graphs

#### Shielding characteristics



x frequency (MHz)

y Shielding characteristics (dB)

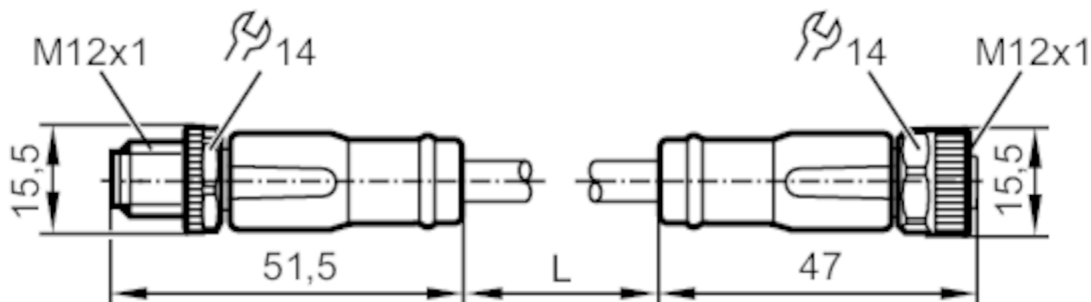
according to DIN EN 60512-23-3

# EVCB51



## Connection cable

VDOGH040MSS0010K04STGH040MSS



| Application                                                     |      |                                                                                                |
|-----------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|
| Special feature                                                 |      | Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability |
| Free from silicone                                              |      | yes                                                                                            |
| Electrical data                                                 |      |                                                                                                |
| Operating voltage                                               | [V]  | < 50 AC / < 60 DC                                                                              |
| Protection class                                                |      | III                                                                                            |
| Max. current load total                                         | [A]  | 4                                                                                              |
| Operating conditions                                            |      |                                                                                                |
| Ambient temperature                                             | [°C] | -25...90                                                                                       |
| Ambient temperature (moving)                                    | [°C] | -25...90                                                                                       |
| Storage temperature                                             | [°C] | -25...55                                                                                       |
| Storage humidity                                                | [%]  | 10...100                                                                                       |
| Other climatic conditions for storage according to stated class |      | 1K22/ DIN 60721-3-1                                                                            |
| Protection                                                      |      | IP 65; IP 67                                                                                   |
| Mechanical data                                                 |      |                                                                                                |
| Weight                                                          | [g]  | 424.9                                                                                          |
| Moulded-body material                                           |      | TPU                                                                                            |
| Material nut                                                    |      | brass, nickel-plated                                                                           |
| Sealing material                                                |      | FKM                                                                                            |
| Drag chain suitability                                          |      | yes                                                                                            |

# EVCB51



## Connection cable

VDOGH040MSS0010K04STGH040MSS

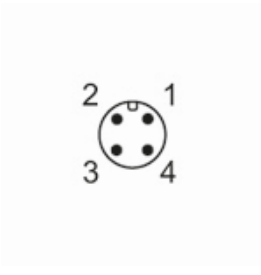
|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Drag chain suitability | bending radius for flexible use | min. 10 x cable diameter                                                                       |
|                        | travel speed                    | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | bending cycles                  | > 2 Mio.                                                                                       |
|                        | torsional strain                | ± 180 °/m                                                                                      |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

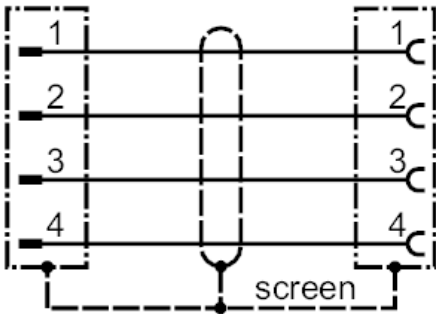
Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



### Electrical connection

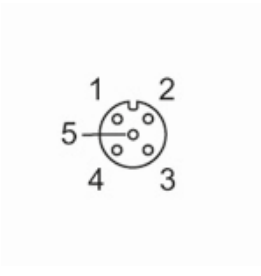
Cable: 10 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected





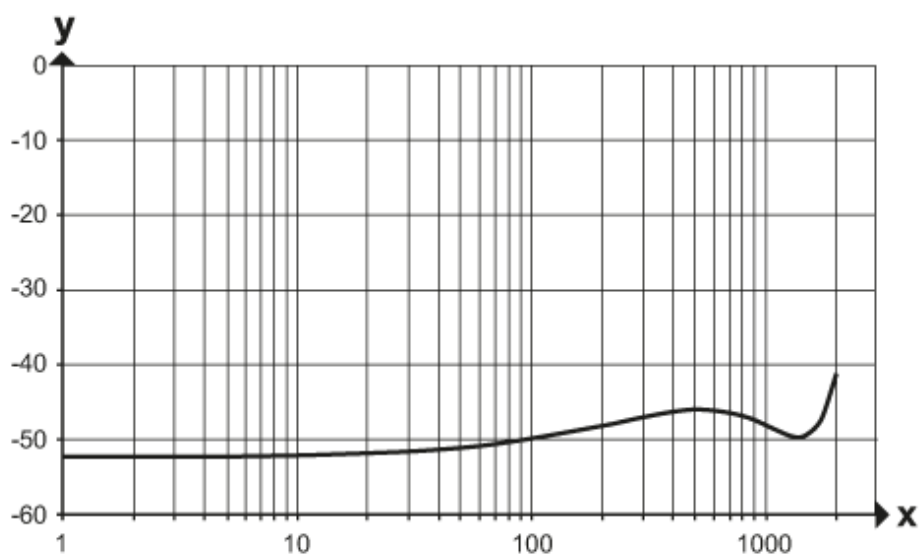


## Connection cable

VDOGH040MSS0010K04STGH040MSS

### Diagrams and graphs

#### Shielding characteristics



x frequency (MHz)

y Shielding characteristics (dB)

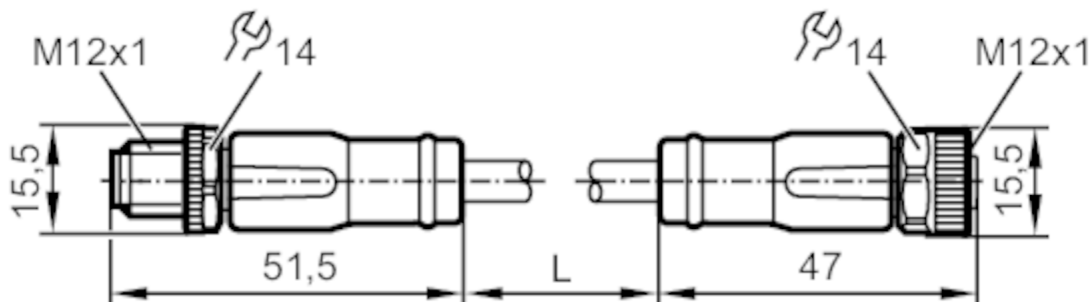
according to DIN EN 60512-23-3

# EVCB52



## Connection cable

VDOGH040MSS0015K04STGH040MSS



| Application                                                     |      |                                                                                                |
|-----------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|
| Special feature                                                 |      | Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability |
| Free from silicone                                              |      | yes                                                                                            |
| Electrical data                                                 |      |                                                                                                |
| Operating voltage                                               | [V]  | < 50 AC / < 60 DC                                                                              |
| Protection class                                                |      | III                                                                                            |
| Max. current load total                                         | [A]  | 4                                                                                              |
| Operating conditions                                            |      |                                                                                                |
| Ambient temperature                                             | [°C] | -25...90                                                                                       |
| Ambient temperature (moving)                                    | [°C] | -25...90                                                                                       |
| Storage temperature                                             | [°C] | -25...55                                                                                       |
| Storage humidity                                                | [%]  | 10...100                                                                                       |
| Other climatic conditions for storage according to stated class |      | 1K22/ DIN 60721-3-1                                                                            |
| Protection                                                      |      | IP 65; IP 67                                                                                   |
| Mechanical data                                                 |      |                                                                                                |
| Weight                                                          | [g]  | 607.5                                                                                          |
| Moulded-body material                                           |      | TPU                                                                                            |
| Material nut                                                    |      | brass, nickel-plated                                                                           |
| Sealing material                                                |      | FKM                                                                                            |
| Drag chain suitability                                          |      | yes                                                                                            |

# EVCB52



## Connection cable

VDOGH040MSS0015K04STGH040MSS

|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Drag chain suitability | bending radius for flexible use | min. 10 x cable diameter                                                                       |
|                        | travel speed                    | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | bending cycles                  | > 2 Mio.                                                                                       |
|                        | torsional strain                | ± 180 °/m                                                                                      |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

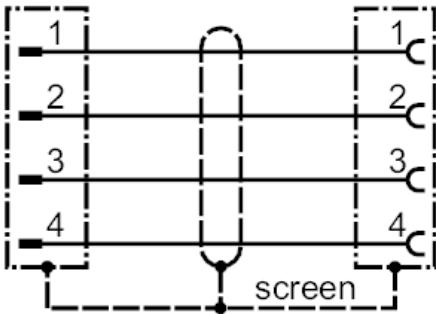
Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



### Electrical connection

Cable: 15 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



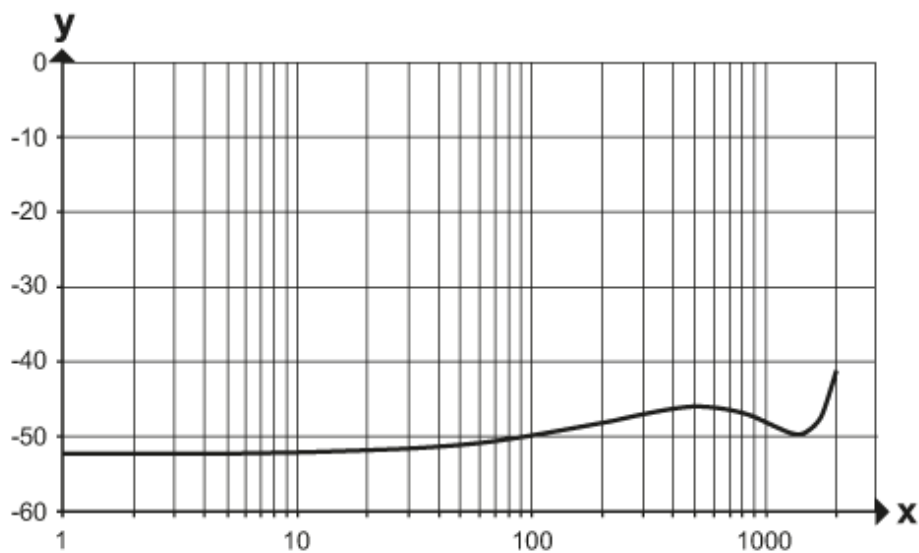


## Connection cable

VDOGH040MSS0015K04STGH040MSS

### Diagrams and graphs

#### Shielding characteristics



x frequency (MHz)

y Shielding characteristics (dB)

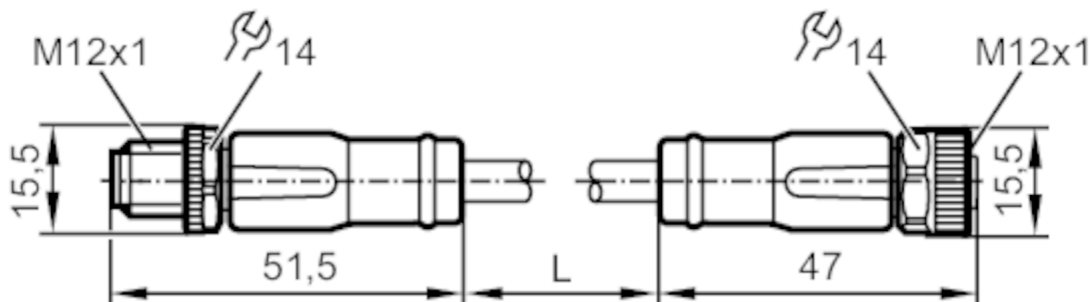
according to DIN EN 60512-23-3

# EVCB53



## Connection cable

VDOGH040MSS0025K04STGH040MSS



| Application                                                     |      |                                                                                                |
|-----------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|
| Special feature                                                 |      | Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability |
| Free from silicone                                              |      | yes                                                                                            |
| Electrical data                                                 |      |                                                                                                |
| Operating voltage                                               | [V]  | < 50 AC / < 60 DC                                                                              |
| Protection class                                                |      | III                                                                                            |
| Max. current load total                                         | [A]  | 4                                                                                              |
| Operating conditions                                            |      |                                                                                                |
| Ambient temperature                                             | [°C] | -25...90                                                                                       |
| Ambient temperature (moving)                                    | [°C] | -25...90                                                                                       |
| Storage temperature                                             | [°C] | -25...55                                                                                       |
| Storage humidity                                                | [%]  | 10...100                                                                                       |
| Other climatic conditions for storage according to stated class |      | 1K22/ DIN 60721-3-1                                                                            |
| Protection                                                      |      | IP 65; IP 67                                                                                   |
| Mechanical data                                                 |      |                                                                                                |
| Weight                                                          | [g]  | 976.25                                                                                         |
| Moulded-body material                                           |      | TPU                                                                                            |
| Material nut                                                    |      | brass, nickel-plated                                                                           |
| Sealing material                                                |      | FKM                                                                                            |
| Drag chain suitability                                          |      | yes                                                                                            |

# EVCB53



## Connection cable

VDOGH040MSS0025K04STGH040MSS

|                        |                                 |                                                                                                |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Drag chain suitability | bending radius for flexible use | min. 10 x cable diameter                                                                       |
|                        | travel speed                    | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup> |
|                        | bending cycles                  | > 2 Mio.                                                                                       |
|                        | torsional strain                | ± 180 °/m                                                                                      |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

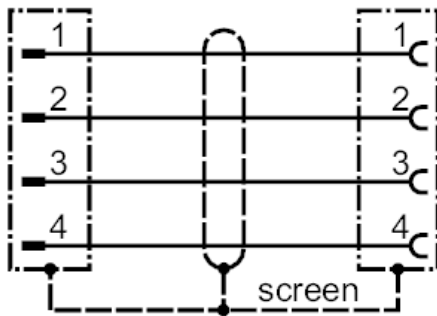
Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



### Electrical connection

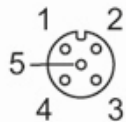
Cable: 25 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Connection



### Electrical connection - socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



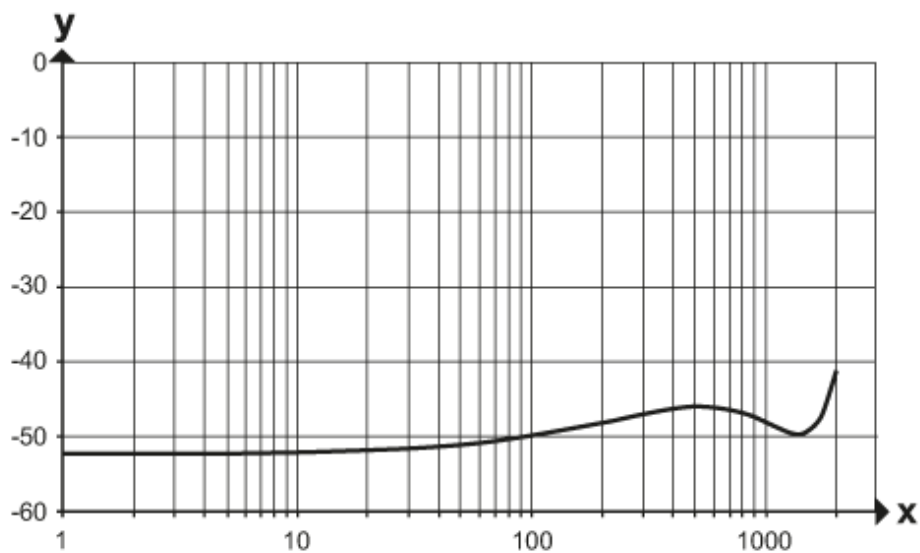


## Connection cable

VDOGH040MSS0025K04STGH040MSS

### Diagrams and graphs

#### Shielding characteristics



x frequency (MHz)

y Shielding characteristics (dB)

according to DIN EN 60512-23-3