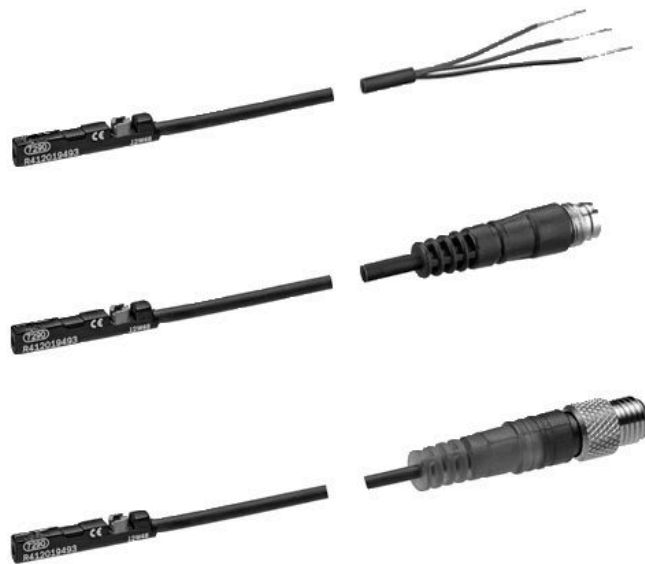


Sensoren, Serie ST4



AVENTICS™

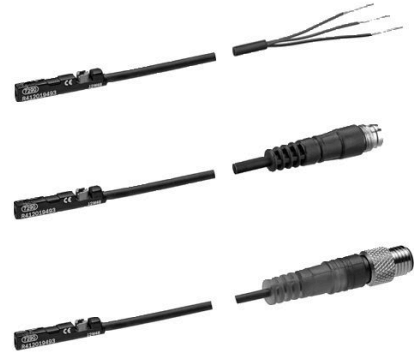
**AVENTICS Serie
ST4 Magnetische
Näherungssensoren**


EMERSON™

Sensoren, Serie ST4

Die Sensoren der Serie ST4 von AVENTICS lassen sich in alle pneumatischen Stellantriebe von AVENTICS integrieren und sind ideal fur kleine Handhabung. Die Serie ST4 ist mit nur einer Viertelumdrehung der Kombischraube einfach und schnell montiert.

- Fur 4-mm-C-Mutter geeignet
- Montage von oben in die 6-mm-Nut („Drop in“-Montage)
- Robustes Gehause
- LED zur Anzeige des Ausgangszustands
- Kombinierte Befestigungsschraube aus Innensechskant- und Schlitzschraube
- Prazise, zuverlassig und flexibel



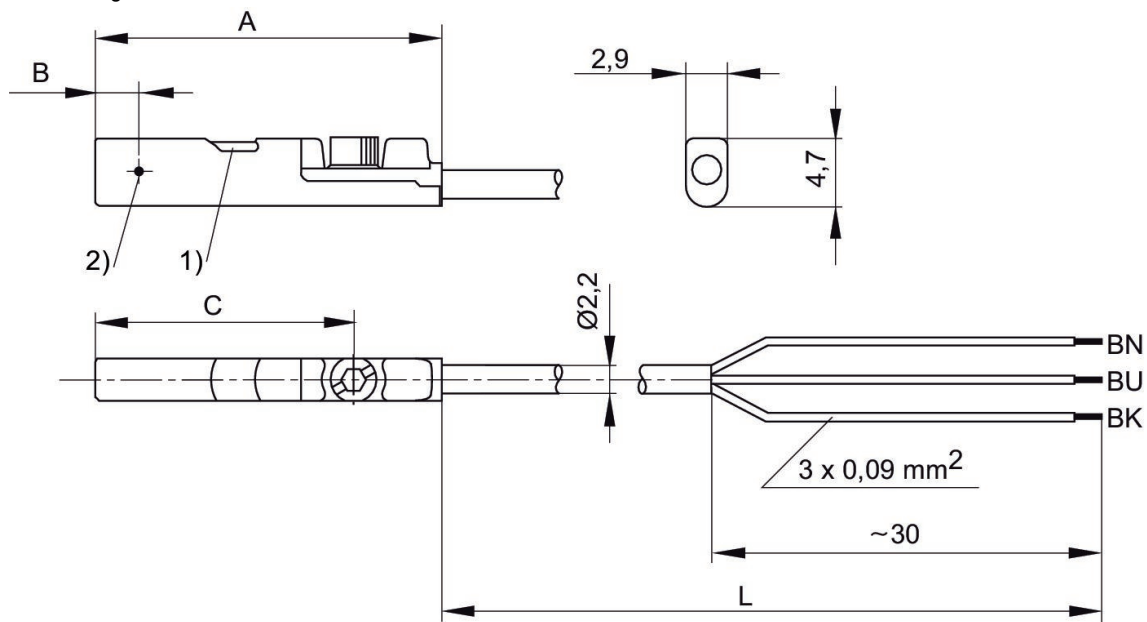
Sensor, Serie ST4

PRA
SSI
GSU
RTC
CKP
GPC
MSC
MSN
RCM
CVI
offene Kabelenden
UL (Underwriters Laboratories)
cULus
RoHS



| Direktmonta- ge fur Serie | Indirekte Mon- tage fur Serie | Nutbreite | Kontaktart | Elektrischer An- schluss Anzahl Pole | Materialnummer |
|--|-----------------------------------|------------|------------------|---|----------------|
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | Reed | 3-polig | R412019488 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | Reed | 3-polig | R412019489 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | 3-polig | R412019680 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | 3-polig | R412019681 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | NPN | 3-polig | R412019684 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | NPN | 3-polig | R412019685 |

Abmessungen



1) LED 2) Schaltpunkt
L = Kabellange BN = braun, BK = schwarz, BU = blau

| Material- nummer | A | B | C |
|---------------------|------|-----|------|
| R412019488 | 26.3 | 6.3 | 20.3 |
| R412019489 | 26.3 | 6.3 | 20.3 |
| R412019680 | 23.7 | 2.8 | 17.7 |
| R412019681 | 23.7 | 2.8 | 17.7 |
| R412019684 | 23.7 | 2.8 | 17.7 |
| R412019685 | 23.7 | 2.8 | 17.7 |

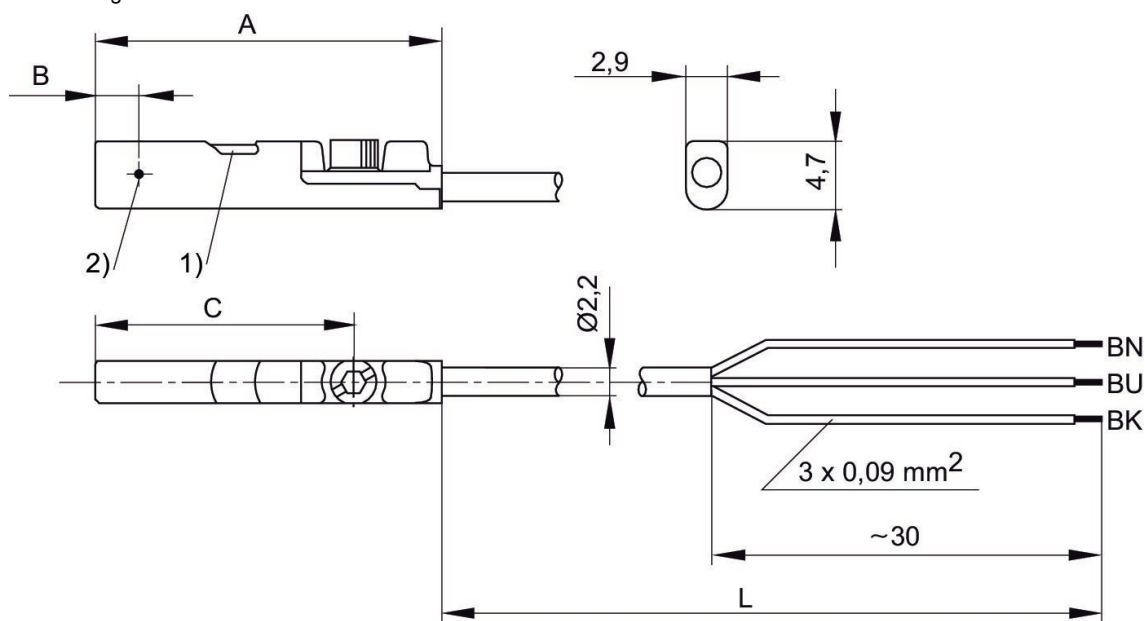
Sensor, Serie ST4

PRA
SSI
GSU
RTC
CKP
GPC
MSC
MSN
RCM
CVI
Stecker
M8
RoHS
3-polig



| Direktmontage fur Serie | Indirekte Montage fur Serie | Nutbreite | Kontaktart | Materialnummer |
|--|------------------------------|------------|------------------|----------------|
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | R412024124 |

Abmessungen



1) LED 2) Schaltpunkt
L = Kabellange BN = braun, BK = schwarz, BU = blau

| Materialnummer | A | B | C |
|----------------|------|-----|------|
| R412024124 | 23.7 | 2.8 | 17.7 |

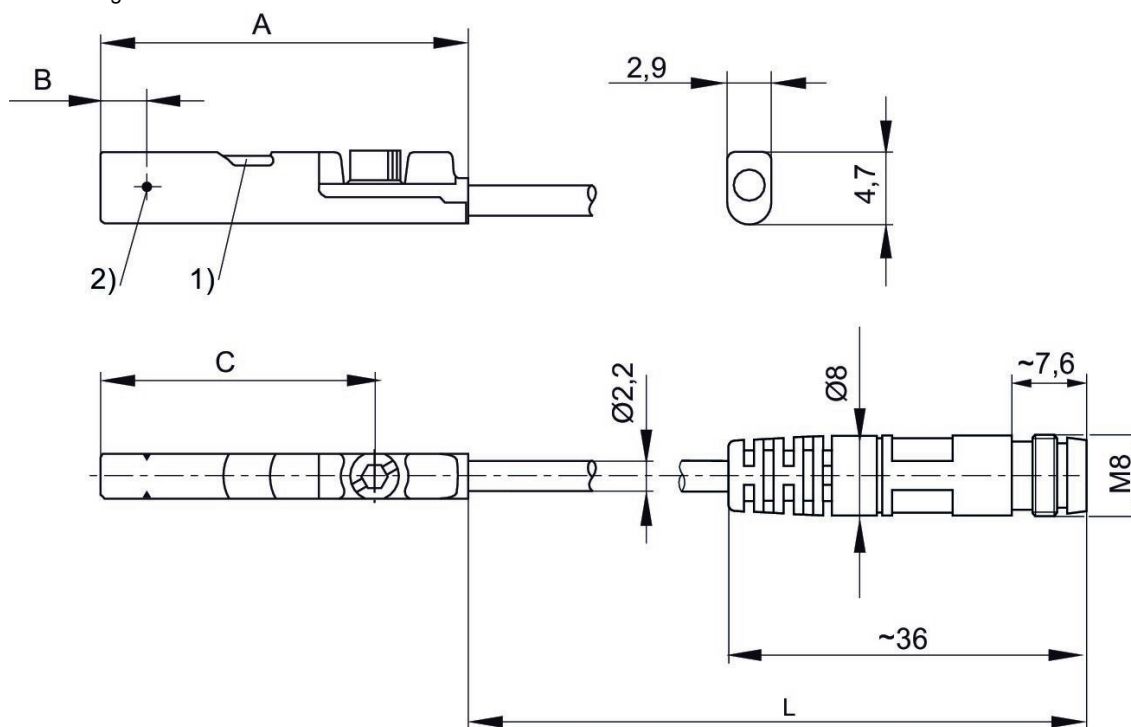
Sensor, Serie ST4

PRA
SSI
GSU
RTC
CKP
GSP
MSC
MSN
RCM
CVI
Stecker
M8
UL (Underwriters Laboratories)
cULus
RoHS
3-polig



| Direktmonta- ge fur Serie | Indirekte Mon- tage fur Serie | Nutbreite | Kontaktart | Elektrischer An- schluss Groe | Elektrischer Anschluss Anzahl Pole | Materialnummer |
|---|-----------------------------------|------------|------------------|------------------------------------|--|----------------|
| PRA, SSI, GSU, RTC, CKP, GSP, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | Reed | M8 | 3-polig | R412019682 |
| PRA, SSI, GSU, RTC, CKP, GSP, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | M8 | 3-polig | R412019683 |
| PRA, SSI, GSU, RTC, CKP, GSP, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | NPN | M8 | 3-polig | R412019694 |

Abmessungen

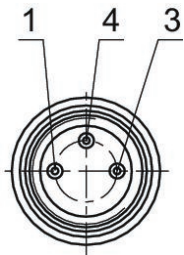


1) LED 2) Schaltpunkt
L = Kabellange

| Material- nummer | A | B | C |
|---------------------|------|-----|------|
| R412019682 | 26.3 | 6.3 | 20.3 |
| R412019683 | 23.7 | 2.8 | 17.7 |
| R412019694 | 23.7 | 2.8 | 17.7 |

R412019682, R412019683, R412019694

Pin-Belegung M8x1 (3-polig)



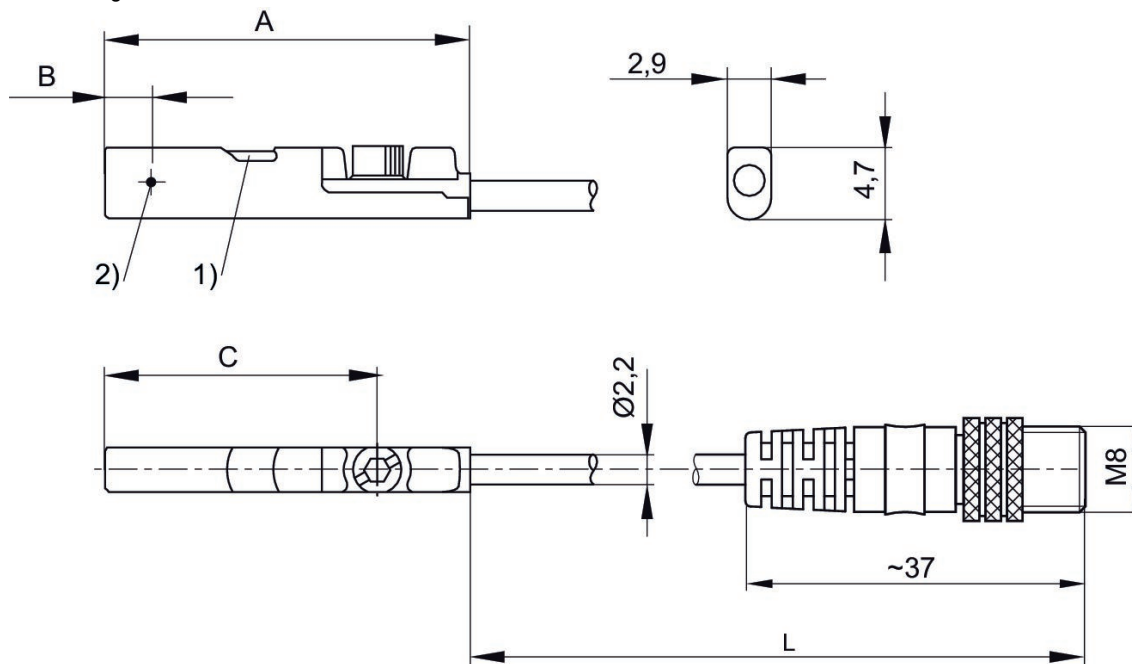
Sensor, Serie ST4

PRA
SSI
GSU
RTC
CKP
GPC
MSC
MSN
RCM
CVI
Stecker
M8
UL (Underwriters Laboratories)
cULus
RoHS
3-polig



| Direktmonta-ge fur Serie | Indirekte Mon-tage fur Serie | Nutbreite | Kontaktart | Elektrischer An-schluss Groe | Elektrischer Anschluss Anzahl Pole | Materialnummer |
|--|-------------------------------|------------|------------------|--------------------------------|------------------------------------|----------------|
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | Reed | M8 | 3-polig | R412019490 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | Reed | M8 | 3-polig | R412019686 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | M8 | 3-polig | R412019493 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | M8 | 3-polig | R412019687 |

Abmessungen

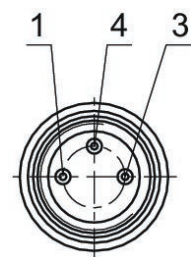


1) LED 2) Schalterpunkt
L = Kabellange

| Material- nummer | A | B | C |
|---------------------|------|-----|------|
| R412019490 | 26.3 | 6.3 | 20.3 |
| R412019686 | 26.3 | 6.3 | 20.3 |
| R412019493 | 23.7 | 2.8 | 17.7 |
| R412019687 | 23.7 | 2.8 | 17.7 |

R412019490, R412019686, R412019493, R412019687

Pin-Belegung M8x1 (3-polig)



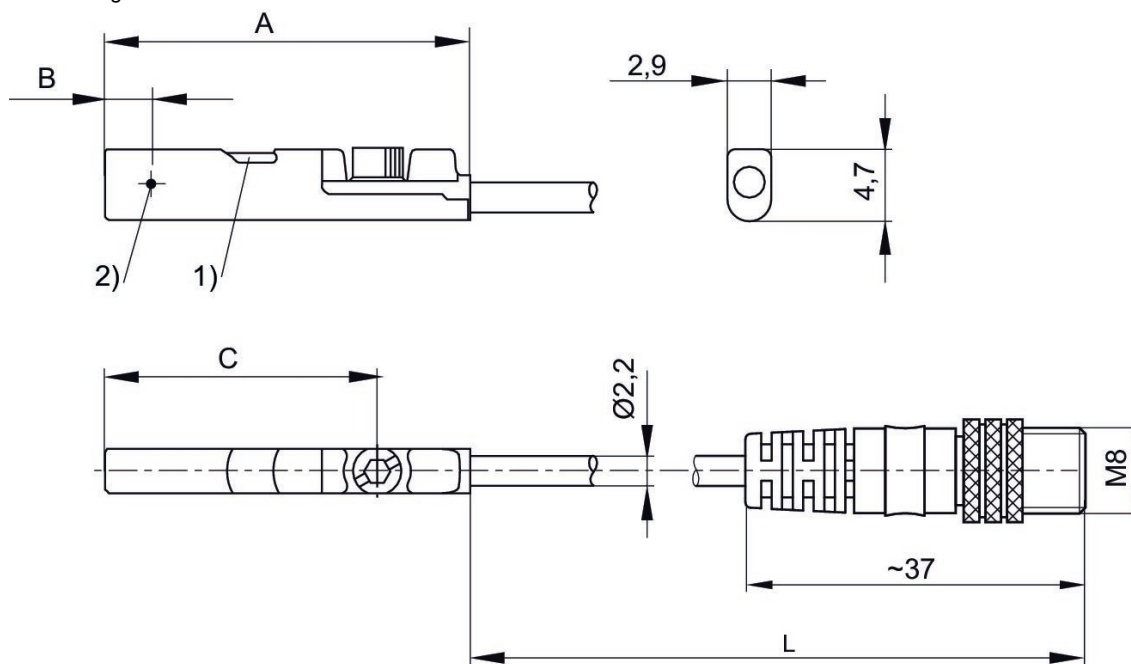
Sensor, Serie ST4

PRA
SSI
GSU
RTC
CKP
GPC
MSC
MSN
RCM
CVI
Stecker
M8
RoHS
3-polig



| Direktmonta-ge fur Serie | Indirekte Mon-tage fur Serie | Nutbreite | Kontaktart | Elektrischer An-schluss Groe | Elektrischer Anschluss Anzahl Pole | Materialnummer |
|--|-------------------------------|------------|------------------|--------------------------------|------------------------------------|----------------|
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | NPN | M8 | 3-polig | R412024123 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | M8 | 3-polig | R412024125 |

Abmessungen



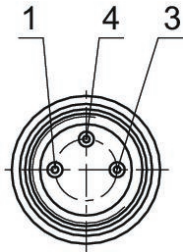
1) LED 2) Schaltpunkt
L = Kabellange

| Material-nummer | A | B | C |
|-----------------|------|-----|------|
| R412024123 | 23.7 | 2.8 | 17.7 |

| Material- nummer | A | B | C |
|---------------------|------|-----|------|
| R412024125 | 23.7 | 2.8 | 17.7 |

R412024123, R412024125

Pin-Belegung M8x1 (3-polig)



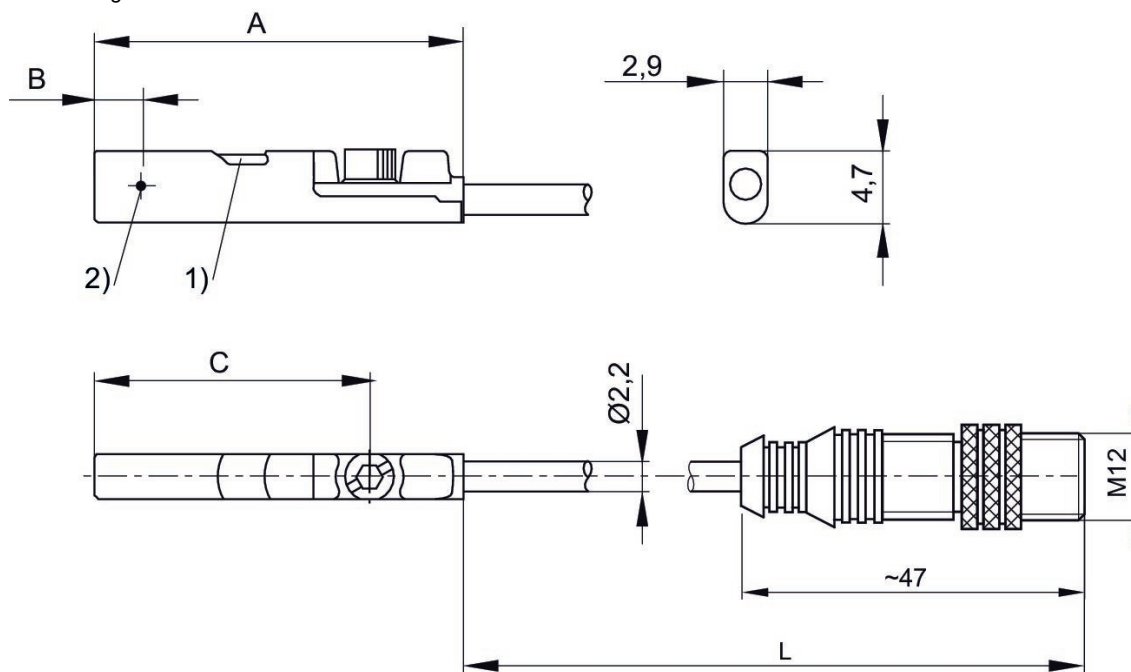
Sensor, Serie ST4

PRA
SSI
GSU
RTC
CKP
GPC
MSC
MSN
RCM
CVI
Stecker
M12
UL (Underwriters Laboratories)
cULus
RoHS
3-polig



| Direktmontage fur Serie | Indirekte Montage fur Serie | Nutbreite | Kontaktart | Elektrischer Anschluss Groe | Elektrischer Anschluss Anzahl Pole | Materialnummer |
|--|------------------------------|------------|------------------|-------------------------------|------------------------------------|----------------|
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | Reed | M12 | 3-polig | R412019688 |
| PRA, SSI, GSU, RTC, CKP, GPC, MSC, MSN, RCM, CVI | MNI, CSL-RD, ICM | 4 mm C-Nut | elektronisch PNP | M12 | 3-polig | R412019689 |

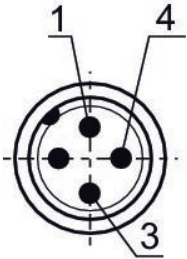
Abmessungen



1) LED 2) Schaltpunkt
L = Kabellange

| Material- nummer | A | B | C |
|---------------------|------|-----|------|
| R412019688 | 26.3 | 6.3 | 20.3 |
| R412019689 | 23.7 | 2.8 | 17.7 |

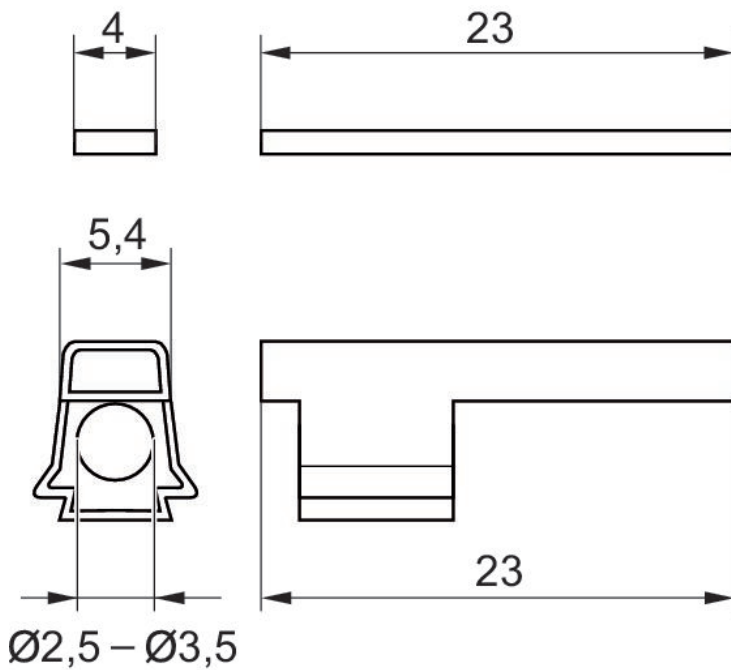
R412019688, R412019689



Kennzeichenschild



| Umgebungstemperatur min. [°C] | Umgebungstemperatur max. [°C] | Liefereinheit [Stück] | Werkstoff Gehäuse | Materialnummer |
|-------------------------------|-------------------------------|-----------------------|-------------------|----------------|
| -40 | 100 | 10 | Polycarbonat | R412026278 |

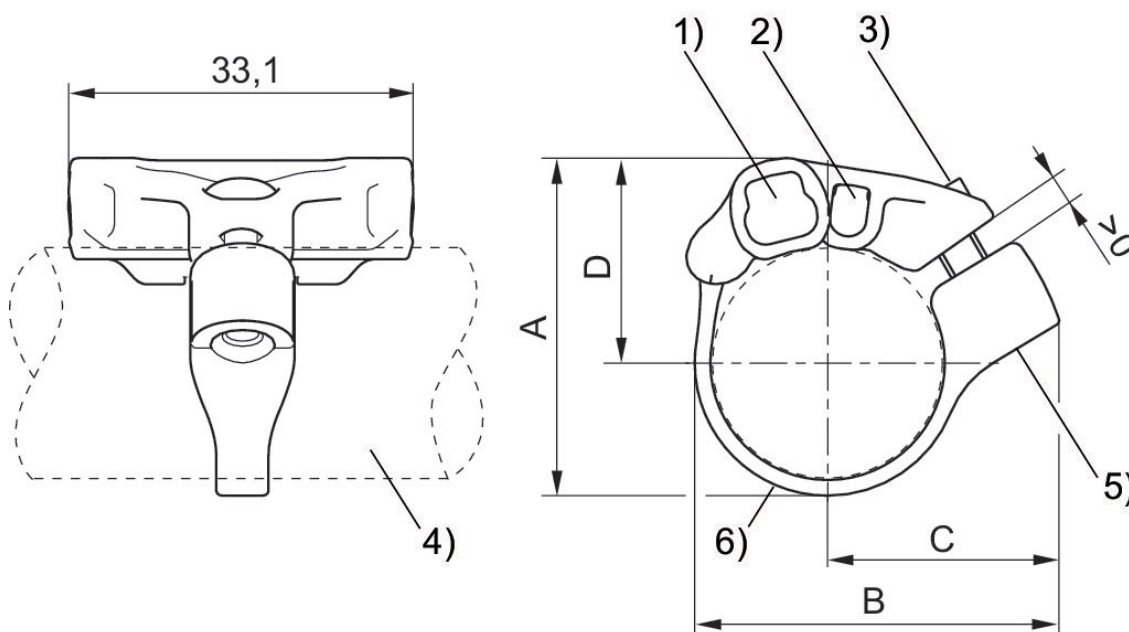


Sensorbefestigung, Serie CB1

ST4
ST6



| Zylinder-Ø min. [mm] | Werkstoff | Materialnummer |
|----------------------|--------------------------------|----------------|
| 16 | Polyamid, Nichtrostender Stahl | R412021791 |
| 20 | Polyamid, Nichtrostender Stahl | R412021792 |
| 25 | Polyamid, Nichtrostender Stahl | R412021793 |

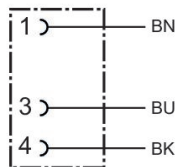


1) Sensornut für ST6 2) Sensornut für ST4 3) Befestigungsschraube (aus nichtrostendem Stahl) 4) Zylinderprofil 5) Gewindeeinsatz (aus nichtrostendem Stahl) 6) Spannband

| Materialnummer | A | B | C | D |
|----------------|------|------|------|------|
| R412021791 | 27.7 | 32.5 | 22.1 | 17.3 |
| R412021792 | 32.4 | 35 | 22.4 | 19.7 |
| R412021793 | 37.4 | 39.5 | 24.3 | 22.2 |

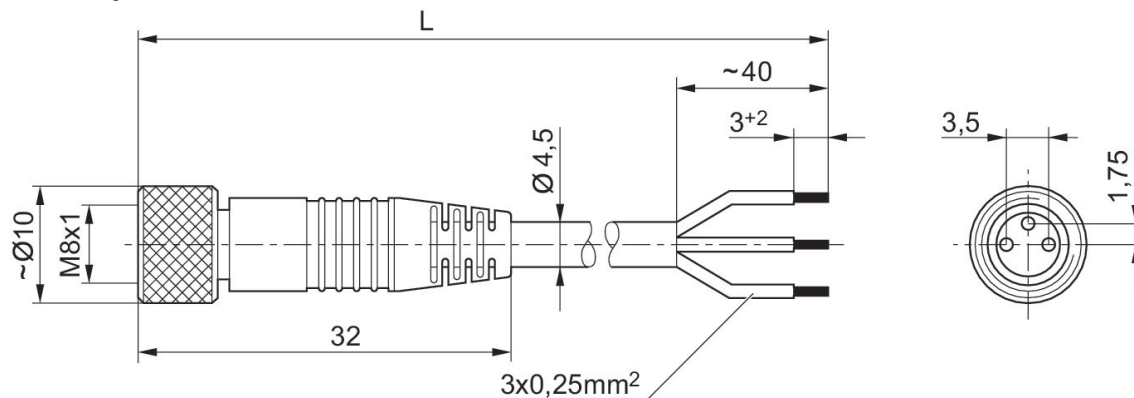
Rundsteckverbinder, Serie CON-RD

Buchse
M8x1
3-polig



| Be- triebs- span- nung | Strom [A] | Schir- mung | Elektri- scher An- schluss 1, Typ | Elektri- scher An- schluss 1, Ge- winde- groe | Elektri- scher An- schluss 1, Co- dierung | Elektri- scher An- schluss 2, Typ | Kabel- lange [m] | Kabel-Ø [mm] | Leiter- quer- schnitt [mm²] | Umge- bungs- tempe- ratur min. [°C] | Umge- bungs- tempe- ratur max. [°C] | Materialnummer |
|---------------------------------|--------------|------------------|---|---|--|---|-------------------------|-----------------|--------------------------------------|--|--|----------------|
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 3 | 4.5 | 0.24 | -25 | 85 | 1834484166 |
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 5 | 4.5 | 0.24 | -25 | 85 | 1834484168 |
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 10 | 4.5 | 0.24 | -25 | 85 | 1834484247 |

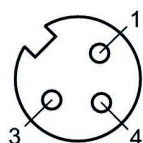
Abmessungen



L = Lange

1834484166, 1834484168, 1834484247

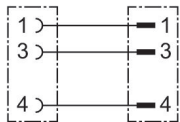
Polbild Buchse



(1) BN=braun (3) BU=blau (4) BK=schwarz

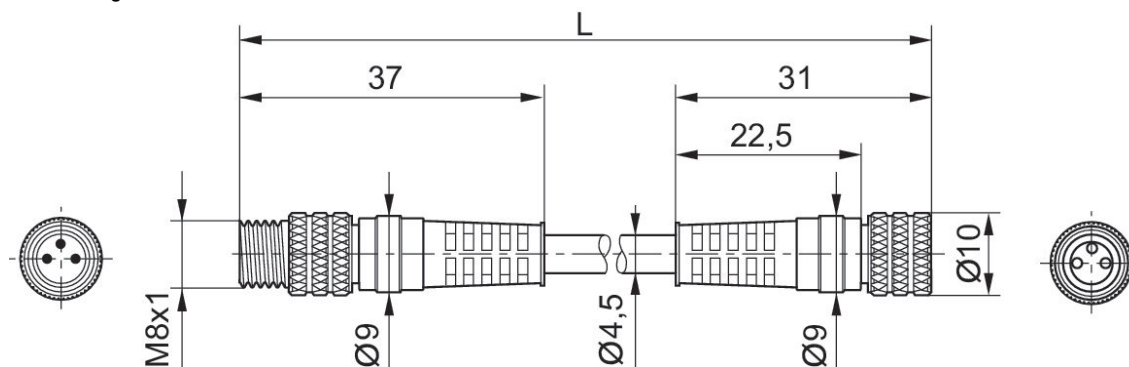
Rundsteckverbinder, Serie CON-RD

Stecker
M8x1
3-polig



| Schirmung | Elektri- scher An- schluss 1, Typ | Elektri- scher An- schluss 1, Gewin- degroe | Elektri- scher An- schluss 1, Codierung | Elektri- scher An- schluss 2, Typ | Elektri- scher An- schluss 2, Gewin- degroe | Elektri- scher An- schluss 2, Codierung | Kabellange [m] | Kabel-Ø [mm] | Materialnummer |
|-------------|--|---|--|--|---|--|--------------------|-----------------|----------------|
| ungeschirmt | Buchse | M8x1 | A-codiert | Stecker | M8x1 | A-codiert | 1 | 4.5 | 8946203702 |
| ungeschirmt | Buchse | M8x1 | A-codiert | Stecker | M8x1 | A-codiert | 2 | 4.5 | 8946203712 |
| ungeschirmt | Buchse | M8x1 | A-codiert | Stecker | M8x1 | A-codiert | 5 | 4.5 | 8946203722 |

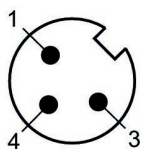
Abmessungen



L = Lange

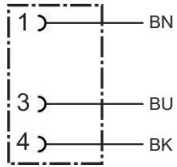
8946203702, 8946203712, 8946203722

Polbild Stecker



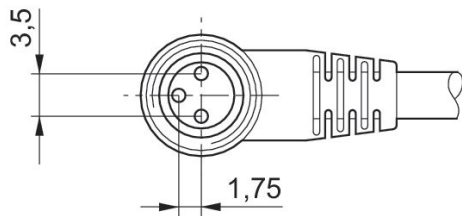
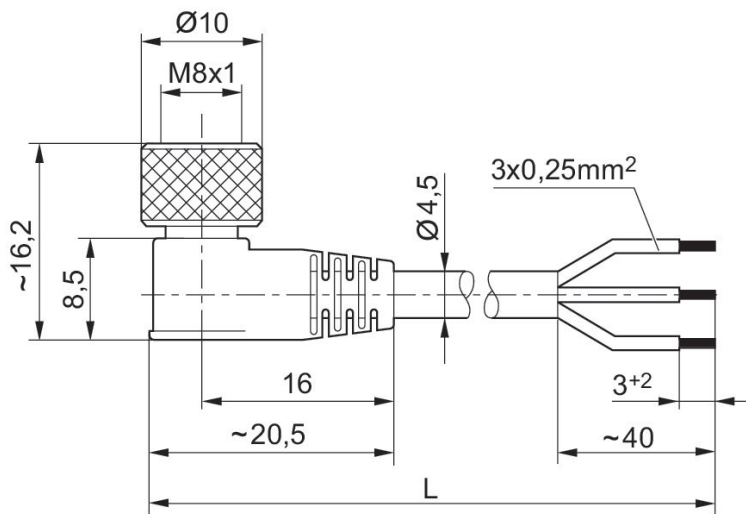
Rundsteckverbinder, Serie CON-RD

Buchse
M8x1
3-polig



| Be- triebs- span- nung | Strom [A] | Schir- mung | Elektri- scher An- schluss 1, Typ | Elektri- scher An- schluss 1, Ge- winde- groe | Elektri- scher An- schluss 1, Co- dierung | Elektri- scher An- schluss 2, Typ | Kabel- lange [m] | Kabel-Ø [mm] | Leiter- quer- schnitt [mm²] | Umge- bungs- tempe- ratur min. [°C] | Umge- bungs- tempe- ratur max. [°C] | Materialnummer |
|---------------------------------|--------------|------------------|---|---|--|---|-------------------------|-----------------|--------------------------------------|--|--|----------------|
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 3 | 4.5 | 0.24 | -40 | 85 | 1834484167 |
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 5 | 4.5 | 0.24 | -40 | 85 | 1834484169 |
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 10 | 4.5 | 0.24 | -40 | 85 | 1834484248 |

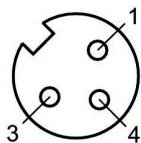
Abmessungen



L = Lange

1834484167, 1834484169, 1834484248

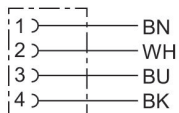
Polbild Buchse



(1) BN=braun (3) BU=blau (4) BK=schwarz

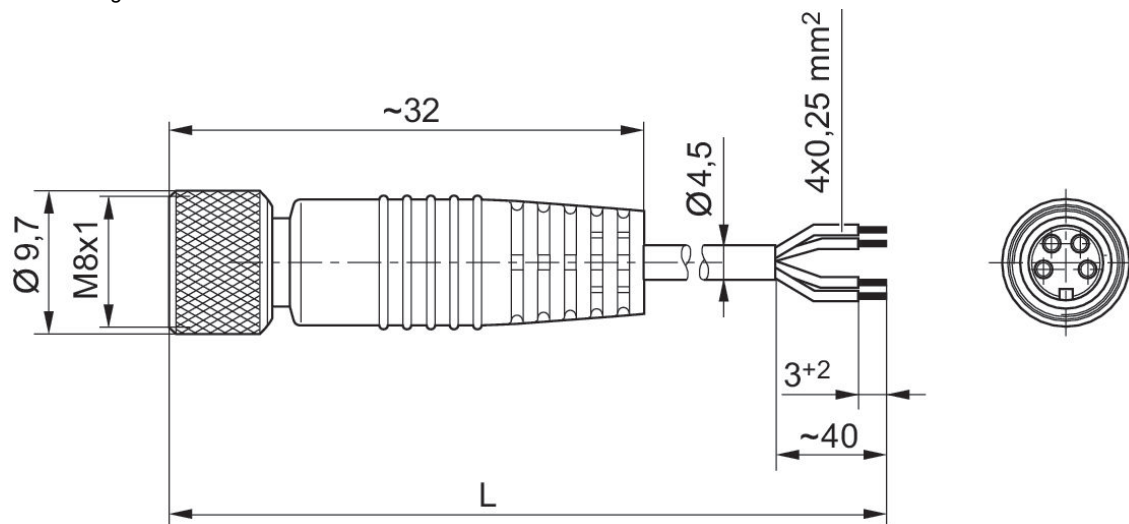
Rundsteckverbinder, Serie CON-RD

Buchse
M8x1
4-polig



| Be- triebs- span- nung | Strom [A] | Schir- mung | Elektri- scher An- schluss 1, Typ | Elektri- scher An- schluss 1, Ge- winde- groe | Elektri- scher An- schluss 1, Co- dierung | Elektri- scher An- schluss 2, Typ | Kabel- lange [m] | Kabel-Ø [mm] | Leiter- quer- schnitt [mm²] | Umge- bungs- tempe- ratur min. [°C] | Umge- bungs- tempe- ratur max. [°C] | Materialnummer |
|---------------------------------|--------------|------------------|---|---|--|---|-------------------------|-----------------|--------------------------------------|--|--|----------------|
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 3 | 4.5 | 0.25 | -40 | 85 | 1834484144 |
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 5 | 4.5 | 0.25 | -40 | 85 | 1834484146 |

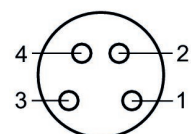
Abmessungen



L = Lange

1834484144, 1834484146

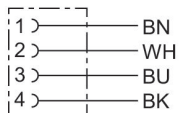
Polbild Buchse



(1) BN=braun (2) WH=wei (3) BU=blau (4) BK=Schwarz

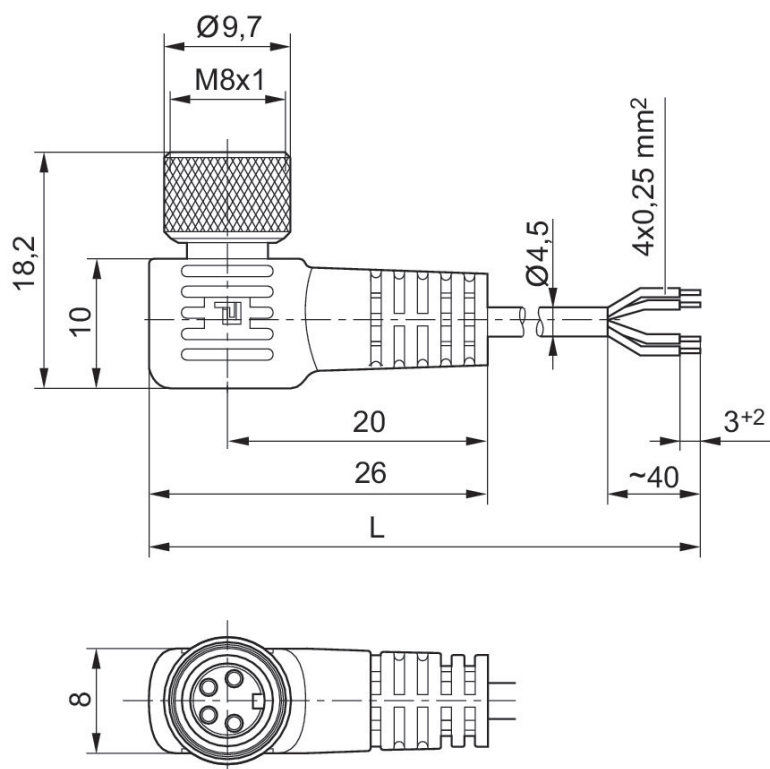
Rundsteckverbinder, Serie CON-RD

Buchse
M8x1
4-polig



| Be- triebs- span- nung | Strom [A] | Schir- mung | Elektri- scher An- schluss 1, Typ | Elektri- scher An- schluss 1, Ge- winde- groe | Elektri- scher An- schluss 1, Co- dierung | Elektri- scher An- schluss 2, Typ | Kabel- lange [m] | Kabel-Ø [mm] | Leiter- quer- schnitt [mm²] | Umge- bungs- tempe- ratur min. [°C] | Umge- bungs- tempe- ratur max. [°C] | Materialnummer |
|---------------------------------|--------------|------------------|---|---|--|---|-------------------------|-----------------|--------------------------------------|--|--|----------------|
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 3 | 4.5 | 0.25 | -25 | 85 | 1834484145 |
| 48 V AC/ DC | 4 | unge- schirmt | Buchse | M8x1 | A-codiert | offene Kabelen- den | 5 | 4.5 | 0.25 | -25 | 85 | 1834484147 |

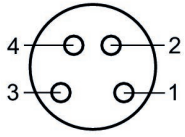
Abmessungen in mm



L = Lange

1834484145, 1834484147

Polbild Buchse



(1) BN=braun (2) WH=wei (3) BU=blau (4) BK=Schwarz

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