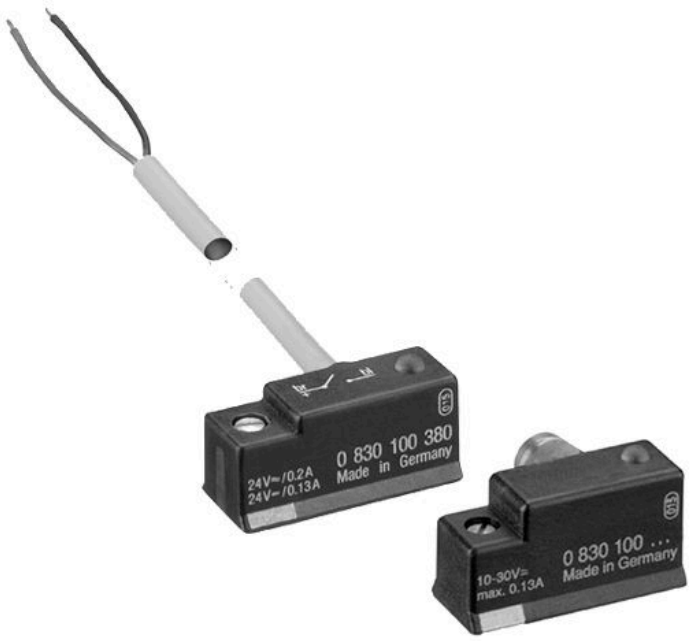
Sensors, Series ST9



AVENTICS™

AVENTICS Series ST9 Magnetic proximity sensors

EMERSON™

Sensors, Series ST9

The AVENTICS Series ST9 sensors are specifically developed for short-stroke cylinders and offer a lean design and practical handling. They slide easily into the 9 mm dovetail nut and can be securely fastened with a single screw. Especially with extremely short cylinders, the electrical connection located at the side of the housing enables easy tightening and removal of the lines.

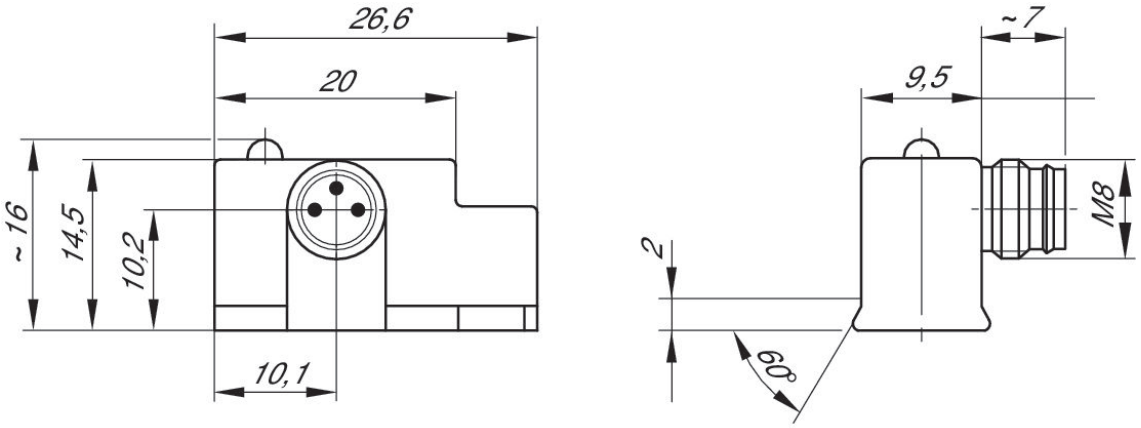
- Suitable for 9 mm dovetail nut
- Wide range of versions with different line lengths and connections
- With a M8-plug directly on the sensor housing or free wire ends
- Service-friendly, since the line can be mounted directly on the housing
- Reed and electronic PNP sensor versions available

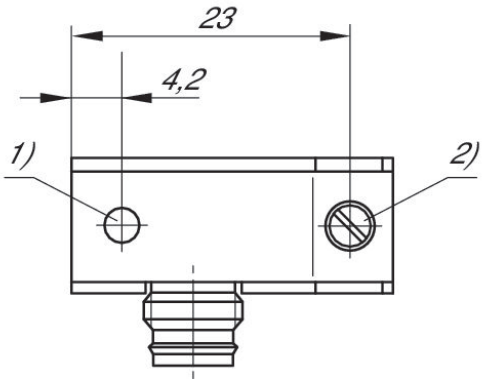
Sensor, Series ST9

KHZ
Plug
M8

Direct mounting for series	Type of contact	Electrical connection 2, number of poles	Max. DC switching current [A]	Max. AC switching current [A]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Min. operating voltage AC [V AC]	Max. operational voltage AC [V AC]	Version	Part No.
KHZ	Reed	3-pin	0.13	0.2	10	30	10	30	Protected against polarity reversal	0830100486
KHZ	electronic PNP	3-pin	0.2		12	36			Protected against polarity reversal, short circuit resistant	0830100487

Dimensions





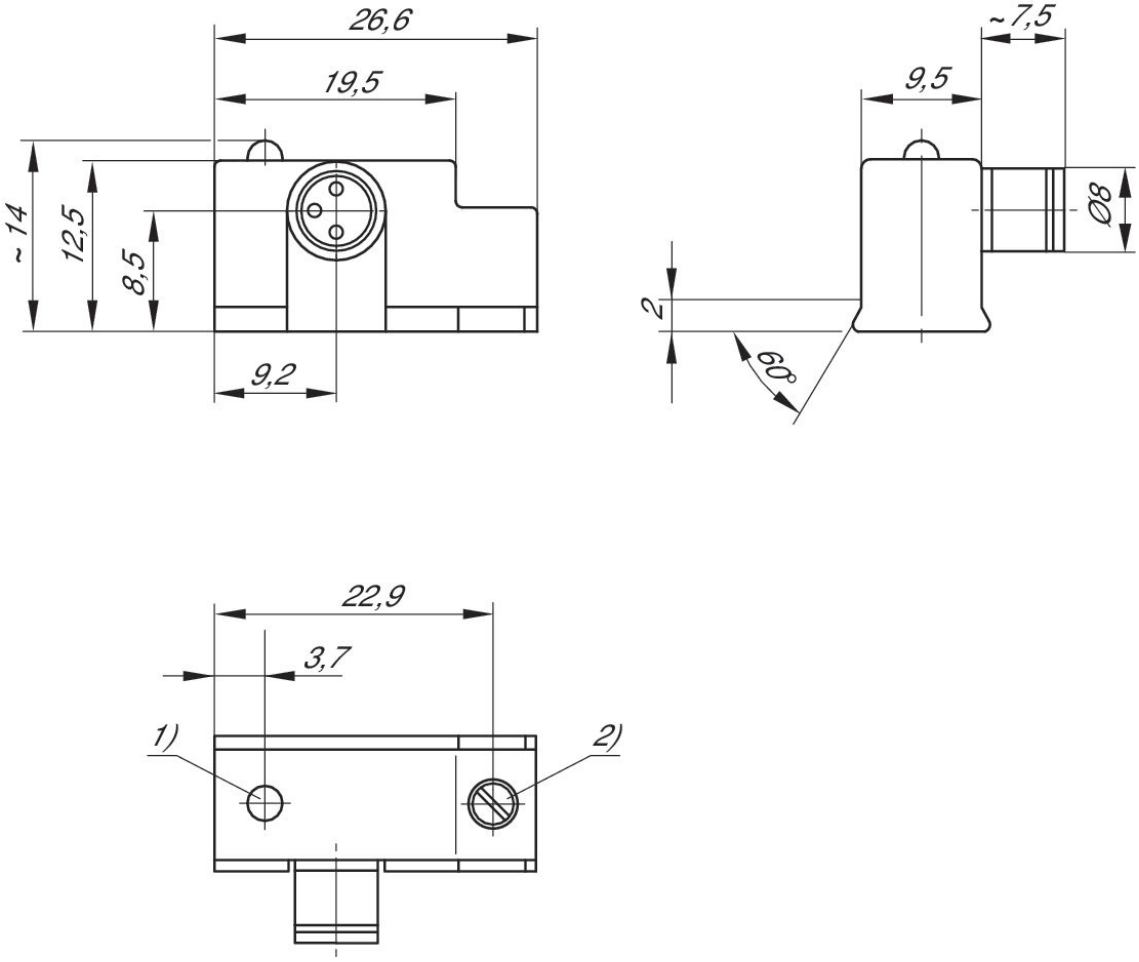
1) LED
2) Clamping screw
M8: combination plug can be combined with valve plug connectors Ø6.5 mm and M8.

Sensor, Series ST9

KHZ
Snap Ø8

Direct mounting for series	Type of contact	Electrical connection 2, number of poles	Max. DC switching current [A]	Max. AC switching current [A]	Max. operating voltage DC [V DC]	Max. operational voltage AC [V AC]	Version	Part No.
KHZ	Reed	2-pin	0.13	0.2	24	24	Protected against polarity reversal	0830100460

Dimensions



1) LED
2) Clamping screw

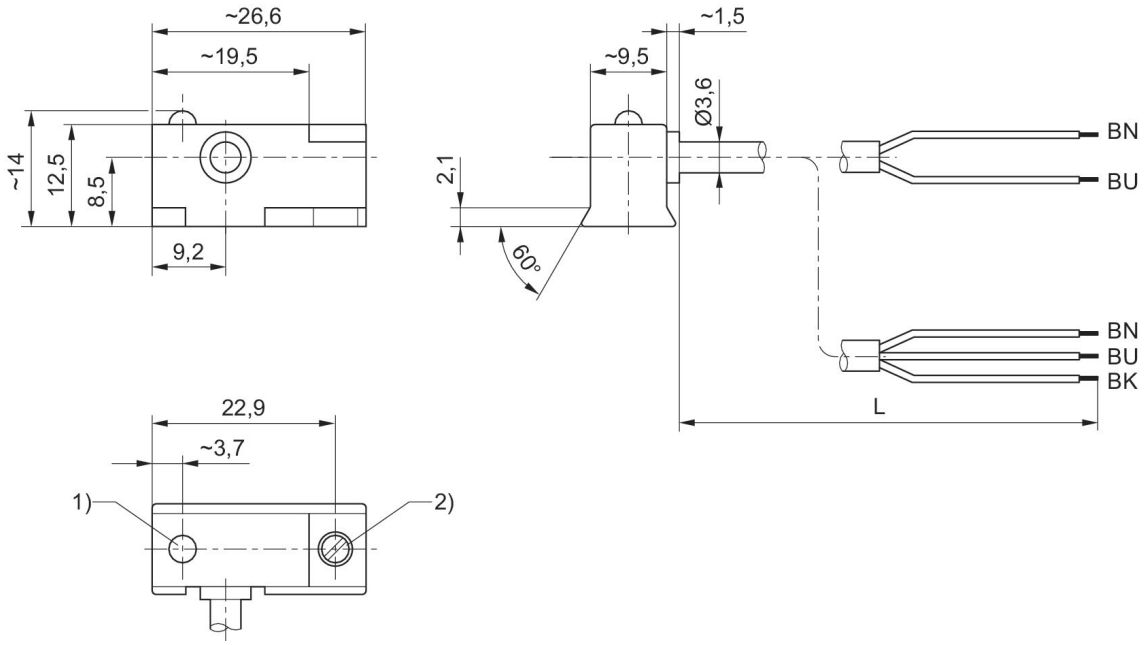
Sensor, Series ST9

KHZ
without wire end ferrule, tin-plated

Direct mounting for series	Type of contact	Electrical connection 2, number of poles	Cable sheath	Cable length L [m]	Max. DC switching current [A]	Max. AC switching current [A]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Min. operating voltage AC [V AC]	Max. operational voltage AC [V AC]	Version	Part No.
KHZ	Reed	2-pin	Polyvinyl chloride	3	0.13	0.2	0	24	0	24	Protected against polarity reversal	0830100320
KHZ	Reed	2-pin	Polyvinyl chloride	3	0.13	0.2	12	24	12	24	Protected against polarity reversal	0830100380
KHZ	Reed	2-pin	Polyvinyl chloride	5	0.13	0.2	12	24	12	24	Protected against polarity reversal	0830100381
KHZ	Reed	2-pin	Polyurethane	3	0.13	0.2	12	24	12	24	Protected against polarity reversal	0830100382
KHZ	Reed	2-pin	Polyurethane	5	0.13	0.2	12	24	12	24	Protected against polarity reversal	0830100383
KHZ	Reed	3-pin	Polyurethane	3	0.13	0.2	12	24	12	24	Protected against polarity reversal	0830100390
KHZ	Reed	3-pin	Polyurethane	5	0.13	0.2	12	24	12	24	Protected against polarity reversal	0830100396
KHZ	electronic PNP	3-pin	Polyvinyl chloride	3	0.2		12	36			short circuit resistant, Protected against polarity reversal	0830100385

Direct mounting for series	Type of contact	Electrical connection 2, number of poles	Cable sheath	Cable length L [m]	Max. DC switching current [A]	Max. AC switching current [A]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Min. operating voltage AC [V AC]	Max. operational voltage AC [V AC]	Version	Part No.
KHZ	electronic PNP	3-pin	Polyvinyl chloride	5	0.2		12	36			short circuit resistant, Protected against polarity reversal	0830100386
KHZ	electronic PNP	3-pin	Polyurethane	3	0.2		12	36			short circuit resistant, Protected against polarity reversal	0830100387

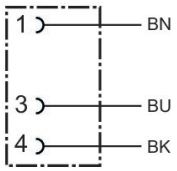
Dimensions



1) LED
2) Clamping screw
L = cable length
BN = brown BK = black BU = blue

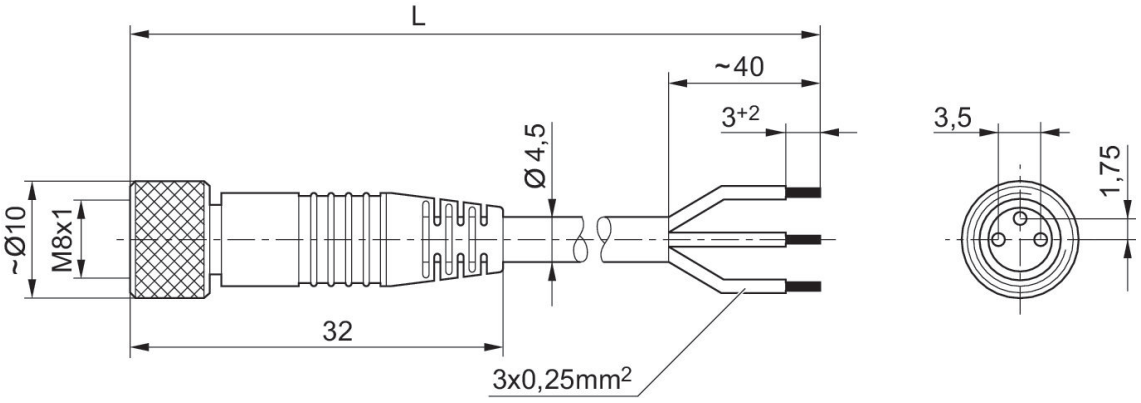
Round plug connector, Series CON-RD

Socket
M8x1
3-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
48 V AC/DC	Socket	M8x1	open cable ends	3	1834484166
48 V AC/DC	Socket	M8x1	open cable ends	5	1834484168
48 V AC/DC	Socket	M8x1	open cable ends	10	1834484247

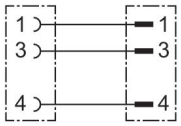
Dimensions



L = length

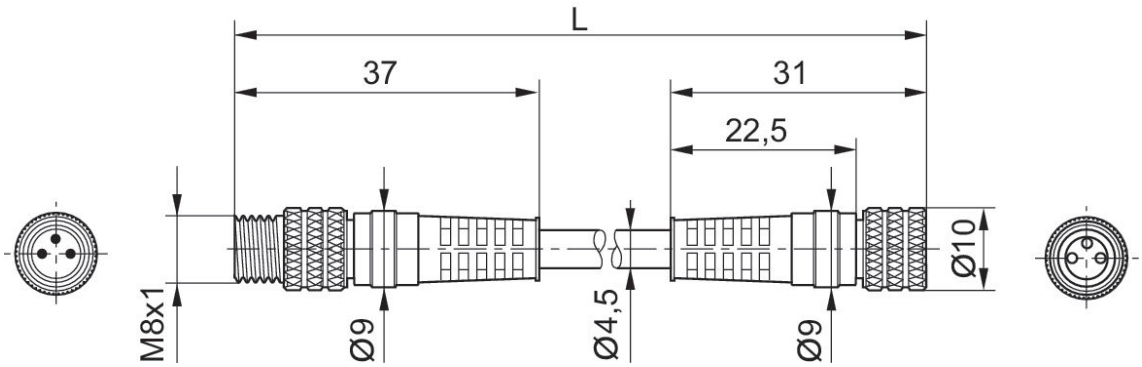
Round plug connector, Series CON-RD

Plug
M8x1
3-pin



Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
Socket	M8x1	Plug	1	8946203702
Socket	M8x1	Plug	2	8946203712
Socket	M8x1	Plug	5	8946203722

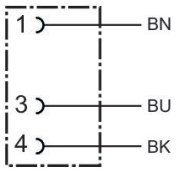
Dimensions



L = length

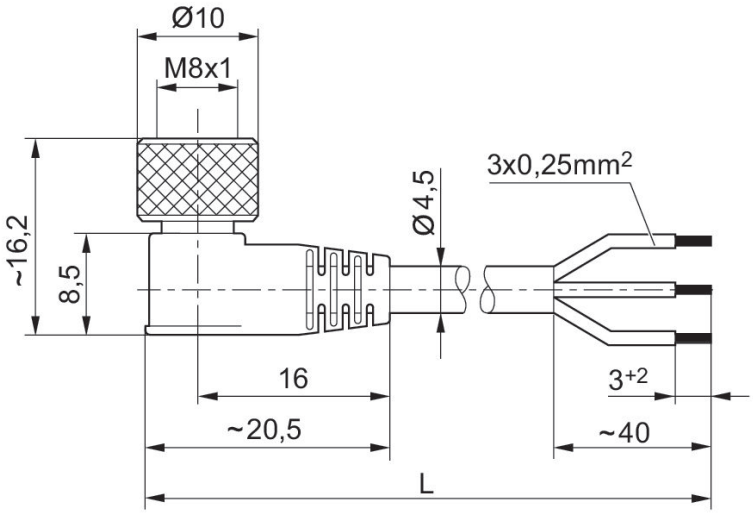
Round plug connector, Series CON-RD

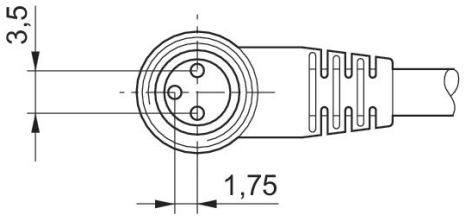
Socket
M8x1
3-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
48 V AC/DC	Socket	M8x1	open cable ends	3	1834484167
48 V AC/DC	Socket	M8x1	open cable ends	5	1834484169
48 V AC/DC	Socket	M8x1	open cable ends	10	1834484248

Dimensions

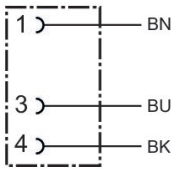




L = length

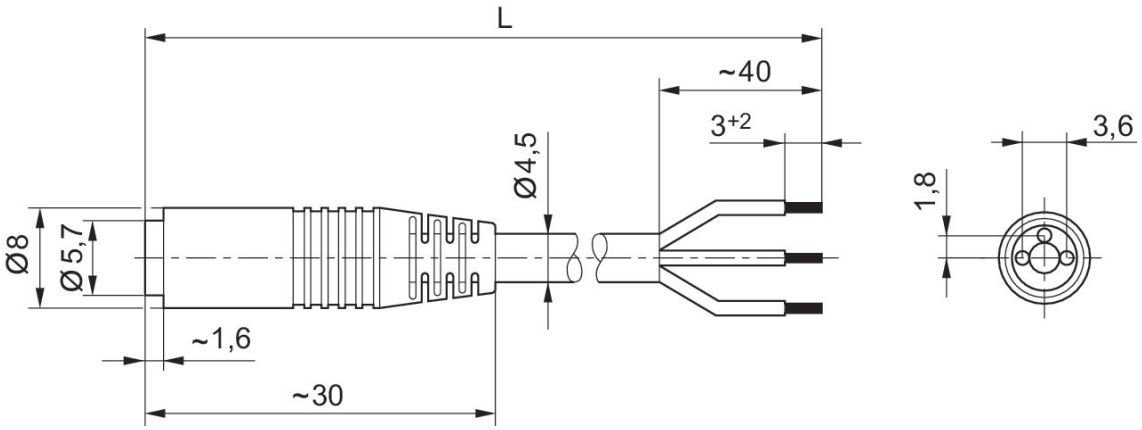
Round plug connector, Series CON-RD

Socket
Snap Ø8
3-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
48 V AC/DC	Socket	Snap Ø8	open cable ends	5	1834484083

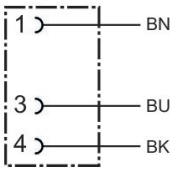
Dimensions



L = length

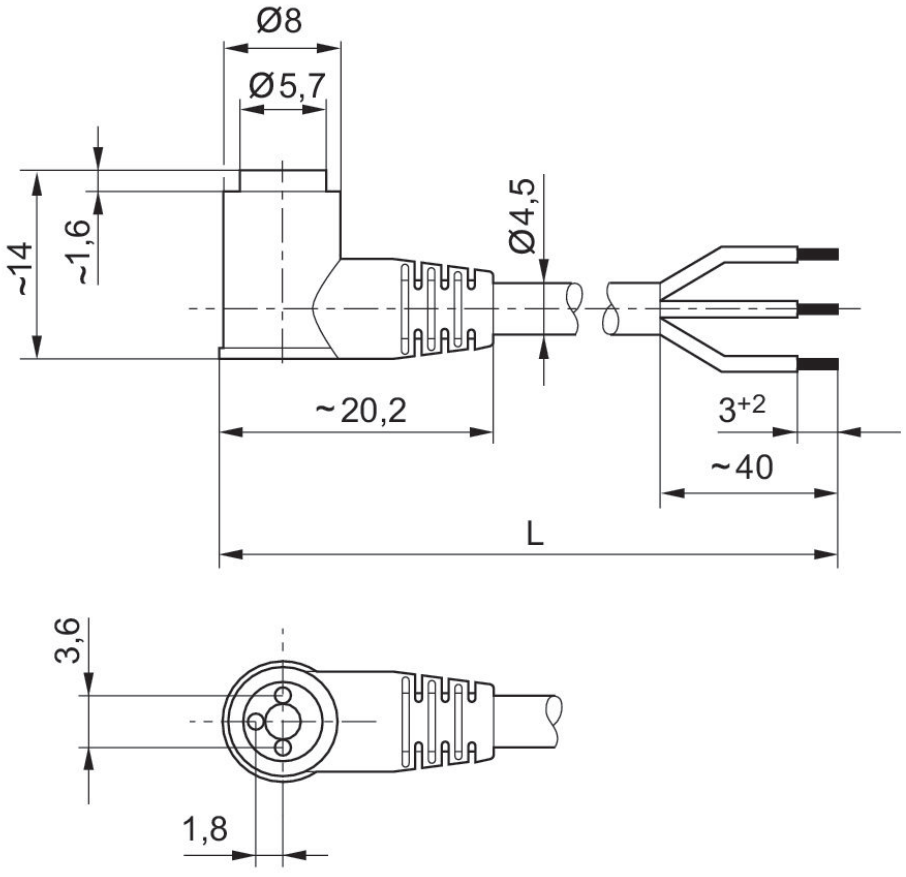
Round plug connector, Series CON-RD

Socket
Snap Ø8
3-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
48 V AC/DC	Socket	Snap Ø8	open cable ends	5	1834484085
48 V AC/DC	Socket	Snap Ø8	open cable ends	10	1834484199

Dimensions



L = length

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