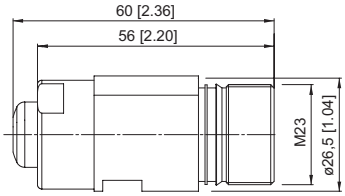
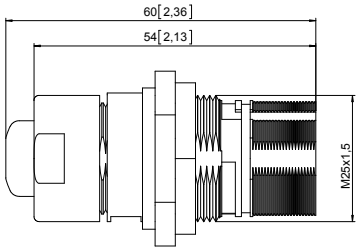
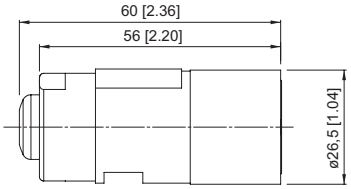
M23 connection technology | Connectors, self-assembly

12 pin			Order no.
Male connector with external thread **pin assignment ccw** Housing: metal, IP67 	solder connections, for cable ø 5.5 ... 10.5 mm [0.22 ... 0.41“]   	suitable for: versions with cable outlet	**8.0000.5015.0001**
Male connector with external thread **pin assignment ccw** **central fastening** Housing: metal, IP67 	solder connections, for cable ø 5.5 ... 10.5 mm [0.22 ... 0.41“]   	suitable for: versions with cable outlet	**8.0000.5015.0000**
Female connector with coupling nut **pin socket assignment cw** Housing: metal, IP67 	solder connections, for cable ø 5.5 ... 10.5 mm [0.22 ... 0.41“]   	suitable for: KIS50 / KIH50 5000 / 5020 5814 / 5834 5814FSx / 5834FSx 580X / 582X F5863 / F5883 F5883M 585x / 587x 5853FSx /5873FSx 586x / 588x 5863FSx /5883FSx 9000 908x A02x	**8.0000.5012.0000**

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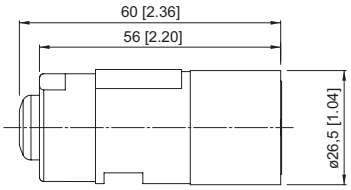
M23 connection technology | Connectors, self-assembly

17 pin			Order no.
Female connector with coupling nut **pin socket assignment ccw** Housing: metal, IP67	solder connections, for cable ø 5.5 ... 10.5 mm [0.22 ... 0.41"]	suitable for: 5850 / 5870 5852 / 5872	**8.0000.5042.0000**







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M23 connection technology | Cordsets, pre-assembled

With connector, 12 pin

Working temp. -30°C ... +80°C [-22°F ... +176°F] | Order no.

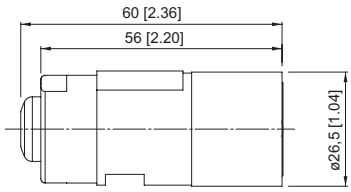
Female connector with coupling nut + single-ended

pin socket
assignment cw

Cable: PVC, 6 x 2 x 0.14 mm² [AWG25]
Housing: metal, IP67







suitable for our series with RS422 or SinCos output:

KIS50 / KIH50 — 5000 / 5020
5805 / 5825 [3]
5814 / 5834 — 5814FSx / 5834FSx [3]
A020 / A02H — H120

Terminal assignment

Pin female contacts:	1	2	3	4	5	6	7	8	9	10	11	12	PH [2]
Wire color:	PK	RD-BU	BU	RD	GN	YE	–	GY	–	WH	GY-PK	BN	PH [2]

cable length [1]

standard cable length (available from 1 piece)	2 m [6.56']	**8.0000.6901.0002**
	5 m [16.40']	**8.0000.6901.0005**
	10 m [32.81']	**8.0000.6901.0010**
	15 m [49.21']	**8.0000.6901.0015**
other cable lengths (available from 1 piece)		**8.0000.6901.00xx** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

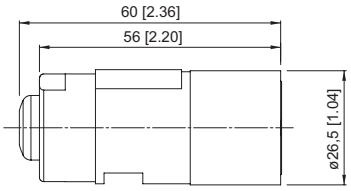
Female connector with coupling nut + single-ended

pin socket
assignment cw

Cable: PUR, 10 x 0.14 mm² [AWG25] + 2 x 0.5 mm² [AWG20]
Housing: metal, IP67







suitable for our series with RS422 or SinCos output:

KIS50 / KIH50 [3] — 5000 / 5020 [3]
5803 / 5823 — 5804 / 5824
5805 / 5825
5814 / 5834 [3] — 5814FSx / 5834FSx
A020 / A02H [3] — H120 [3]

Terminal assignment

Pin female contacts:	1	2	3	4	5	6	7	8	9	10	11	12	PH [2]
Wire color:	PK	BN	BU	RD	GN	YE	–	GY	–	WH 0.5 mm²	WH	BN 0.5 mm²	PH [2]

cable length [1]

standard cable length (available from 1 piece)	2 m [6.56']	**8.0000.6101.0002**
	5 m [16.40']	**8.0000.6101.0005**
	10 m [32.81']	**8.0000.6101.0010**
	15 m [49.21']	**8.0000.6101.0015**
other cable lengths (available from 1 piece)		**8.0000.6101.00xx** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

1) Other cable lengths on request.
2) Shield on housing.
3) Connector color assignment is different from encoder color assignment.

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M23 connection technology | Cordsets, pre-assembled

With connector, 12 pin

Working temp. -30°C ... +80°C [-22°F ... +176°F] | Order no.

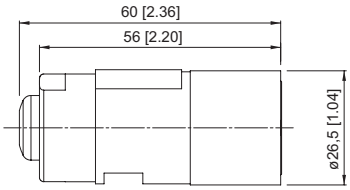
Female connector with coupling nut + single-ended

pin socket
assignment cw

Cable: PVC, 6 x 2 x 0.14 mm² [AWG25]
Housing: metal, IP67







suitable for our series with SSI or analog output:

5850 / 5870
F5863 / F5883 F5883M
5853 / 5873 5853FSx / 5873FSx
5863 / 5883 5863FSx / 5883FSx
9081

Terminal assignment

Pin female contacts:	1	2	3	4	5	6	7	8	9	10	11	12	PH [2]
Wire color:	WH	BN	GN	YE	GY	PK	BU	RD	BK	VT	GY-PK	RD-BU	PH [2]

cable length [1]

		Order no.
standard cable length (available from 1 piece)	2 m [6.56']	**8.0000.6901.0002.0031**
	5 m [16.40']	**8.0000.6901.0005.0031**
	10 m [32.81']	**8.0000.6901.0010.0031**
	15 m [49.21']	**8.0000.6901.0015.0031**
other cable lengths (available from 1 piece)		**8.0000.6901.00xx.0031** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

With connector, 12 pin

Working temp. -40°C ... +135°C [-40°F ... +275°F] | Order no.

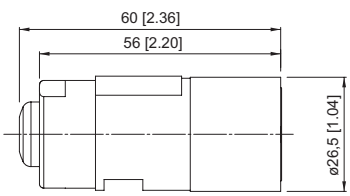
Female connector with coupling nut + single-ended

pin socket
assignment cw

Cable: TPE, 5 x 2 x 0,14 mm² [AWG25] + 2 x 0,5 mm² [AWG20]
Housing: metal, IP67







suitable for our series with RS422 or SinCos output:

KIS50 / KIH50 [3] 5000 / 5020 [3]
5803 / 5823 5804 / 5824
5805 / 5825
5814 / 5834 [3] 5814FSx / 5834FSx
A020 / A02H [3] H120 [3]

Terminal assignment

Pin female contacts:	1	2	3	4	5	6	7	8	9	10	11	12	PH [2]
Wire color:	PK	BN	BU	RD	GN	YE	–	GY	–	WH 0.5 mm²	WH	BN 0.5 mm²	PH [2]

cable length [1]

		Order no.
standard cable length (available from 1 piece)	2 m [6.56']	**8.0000.6E01.0002**
	5 m [16.40']	**8.0000.6E01.0005**
	10 m [32.81']	**8.0000.6E01.0010**
	15 m [49.21']	**8.0000.6E01.0015**
other cable lengths (available from 1 piece)		**8.0000.6E01.00xx** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

1) Other cable lengths on request.
2) Shield on housing.
3) Connector color assignment is different from encoder color assignment.

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M23 connection technology | Cordsets, pre-assembled

With connector, 12 pin

Working temp. -30°C ... +80°C [-22°F ... +176°F] | Order no.

Female connector with coupling nut + male connector with external thread

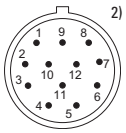
Cable: PVC, 6 x 2 x 0.14 mm² [AWG25]
Housing: metal, IP67

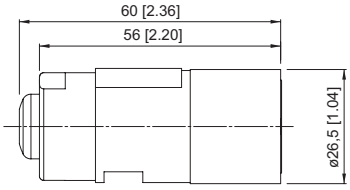


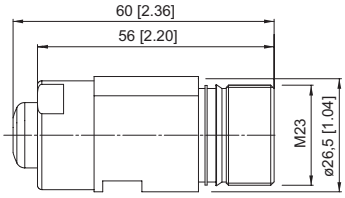
pin socket assignment cw



pin socket assignment ccw







suitable for our series:

5000 / 5020 5803 / 5823
5804 / 5824 5805 / 5825
5814 / 5834 5814FSx / 5834FSx
A020 / A02H H120

	cable length [1]	Order no.
standard cable length (available from 1 piece)	2 m [6.56']	**8.0000.6905.0002**
	5 m [16.40']	**8.0000.6905.0005**
	10 m [32.81']	**8.0000.6905.0010**
	15 m [49.21']	**8.0000.6905.0015**
other cable lengths (available from 1 piece)		**8.0000.6905.00xx** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

Female connector with coupling nut + male connector with external thread

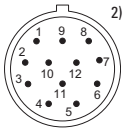
Cable: PVC, 6 x 2 x 0.14 mm² [AWG25]
Housing: metal, IP67

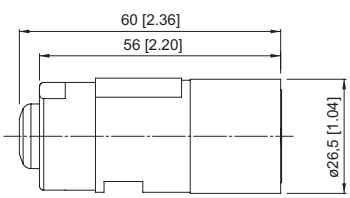


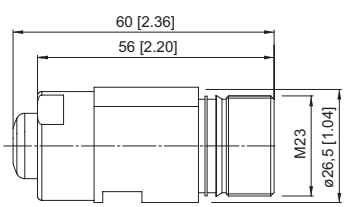
pin socket assignment cw



pin socket assignment ccw







suitable for our series:

5850 / 5870 F5863 / F5883
5853 / 5873 5853FSx / 5873FSx
5863 / 5883 5863FSx / 5883FSx
9081

	cable length [1]	Order no.
standard cable length (available from 1 piece)	2 m [6.56']	**8.0000.6905.0002.0.032**
	5 m [16.40']	**8.0000.6905.0005.0.032**
	10 m [32.81']	**8.0000.6905.0010.0.032**
	15 m [49.21']	**8.0000.6905.0015.0.032**
other cable lengths (available from 1 piece)		**8.0000.6905.00xx.0032** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

1) Other cable lengths on request.
2) Shield on housing.

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M23 connection technology | Cordsets, pre-assembled

With connector, 17 pin

Working temp. -30°C ... +80°C [-22°F ... +176°F] | Order no.

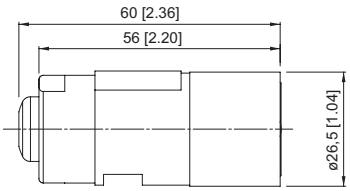
Female connector with coupling nut + single-ended

pin socket
assignment ccw

Cable: PVC, 18 x 0.14 mm² [AWG25]
Housing: metal, IP67







suitable for our series:

5850 / 5870
5852 / 5872

	cable length [1]	
standard cable length (available from 1 piece)	2 m [6.56'] 5 m [16.40'] 10 m [32.81'] 15 m [49.21']	**8.0000.6741.0002** **8.0000.6741.0005** **8.0000.6741.0010** **8.0000.6741.0015**
other cable lengths (available from 1 piece)		**8.0000.6741.00xx** xx = length in meters: 1, 3, 8, 12, 20, 25, 30

Terminal assignment

Pin female contacts:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Wire color:	WH	BN	GN	YE	GY	PK	BU	RD	BK	VT	GY-PK	RD-BU	WH-GN	BN-GN	WH-YE	YE-BN	WH-GY

1) Other cable lengths on request.

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