

Cable Connection for Torque Sensors

In order to integrate sensor technology into a given application, it is advisable to clarify these points in advance; this will provide the basis for selecting the relevant components to generate the measuring chain:

- Type of signal: voltage, frequency, digital (fieldbus/Ethernet)
- Number of pins of the selected output
- Pin allocation for sensor and evaluation unit (see data sheet)

Description

When installing the cables, make sure that the maximum permitted cable length is not exceeded. It is advisable to use original Kistler cables only.

Most torque sensors based on strain gage technology already have an internal amplifier. The sensors can be connected with the appropriate evaluation unit, or directly with the PLC in some cases.

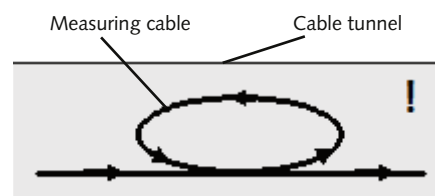
For the analysis of dedicated XY processes (such as torque-rotation angle monitoring), the maXYmos family is highly suitable thanks to its user-friendly operation and wide variety of interfaces (Y-channel: piezo, strain gage, ± 10 V; X-channel: potentiometer, ± 10 V, incremental).

The cable length are available in 2.5 meter / 5 meter or customized length.

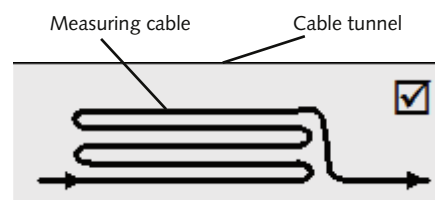


Laying of the Measuring Cable:

- Do not lay parallel to power lines or control lines
- Not in the vicinity of heavy electro-magnetic fields, e.g. transformers, welding devices, contactors, motors etc
- If this cannot be avoided, lay the measuring cable in a grounded armored conduit
- Excess lengths should be prevented. If it isn't possible to avoid, then do not lay excess lengths in closed loops



Risk to couple in EMC noises into the measuring sensor cable



To reduce the inductive areas it's recommended to laying the measuring sensor cable in bifilar form

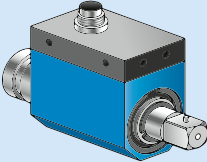
Cable and Connection Torque Sensor Type 4501A...

Measure

Connect

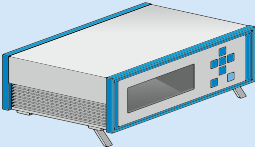
Amplify

Monitor & Control



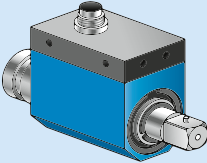
Type 4501A...





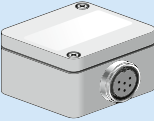
Type 4700B...

6 pin to CoMo Torque	Length (m)	Material No.	12 pin to CoMo Torque	Length (m)	Material No.
4501A...	2,5	18008959	4501A...	2,5	18008961
4501A...	variable	18008960	4501A...	variable	18008962

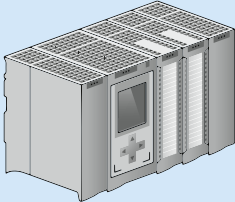


Type 4501A...





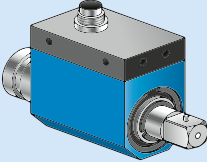
Type 4701A...



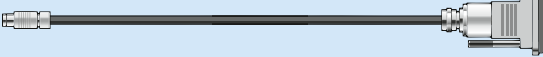
PLC

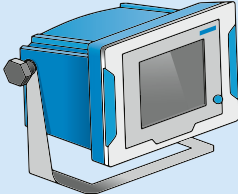
6 pin to free end	Length (m)	Material No.	6 pin Connector/Female bs.	Length (m)	Material No.
4501A...	5	18008939	4501A...	5	18008930
4501A...	variable	18008940	4501A...	variable	18008931

12 pin to free end	Length (m)	Material No.	12 pin Connector/Female bs.	Length (m)	Material No.
4501A...	5	18008958	4501A...	5	18008955
4501A...	variable	not available	4501A...	variable	not available



Type 4501A...





Type 5867A...

6 pin to maXymos BL	Length (m)	Material No.
4501A...	5	18009163
4501A...	variable	18009164

Accessories Cable_000-6'15e-09.24

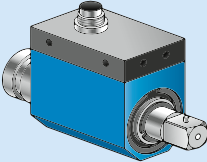
Cable and Connection Torque Sensor Type 4501A...

Measure

Connect

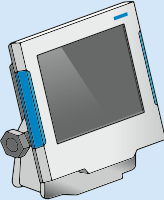
Amplify

Monitor & Control



Type 4501A...





Type 5877A...

6 pin to maXYmos TL			12 pin to maXYmos TL		
	Length (m)	Material No.		Length (m)	Material No.
4501A...	5	18009163	4501A...	0,5	18029711
4501A...	variable	18009164	4501A...	variable	not available

General Technical Data	
Protection Class IEC/EN 60529	IP40
Connector	6 pin or 12 pin Binder connector
Type of cable	LiCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4501A (000-596)

Accessories		
Coupling socket 6 pin	Type	18008377
		
Coupling socket 12 pin	Type	18008371
		
Amplifier for strain gage sensors	Type	4701A...
		

Accessories Cable_000-6'15e-09.24

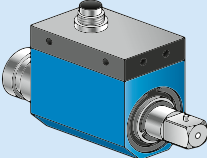
Cable and Connection Torque Sensor Type 4502A...

Measure

Connect

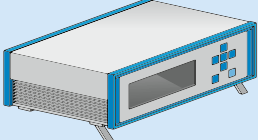
Amplify

Monitor & Control



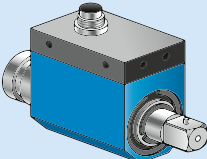
Type 4502A...



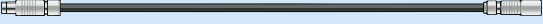


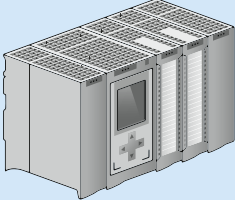
Type 4700B...

12 pin to CoMo Torque	Length (m)	Material No.
4502A...	2,5	18008963
4502A...	variable	18008964



Type 4502A...

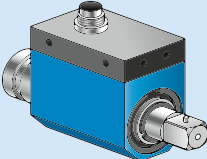




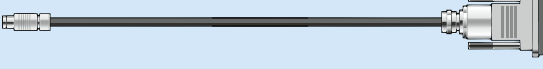
SPS

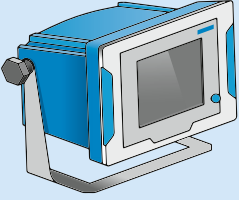
12 pin to free End	Length (m)	Material No.
4502A...	5	18008943
4502A...	variable	18008944

12 pin Connector/Female bs.	Length (m)	Material No.
4502A...	5	18008935
4502A...	variable	18008936



Type 4502A...





Type 5867A...

12 pin to maXYmos BL	Length (m)	Material No.
4502A...	5	18019422
4502A...	variable	18029045

Accessories Cable_000-6'15e-09.24

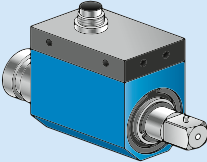
Cable and Connection Torque Sensor Type 4502A...

Measure

Connect

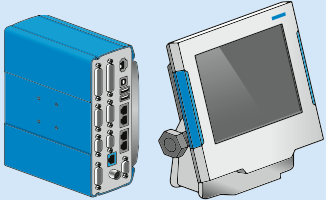
Amplify

Monitor & Control



Type 4502A...





Type 5877A...

12 pin to maXYmos TL	Length (m)	Material No.
4502A...	5	18027071
4502A...	variable	18027073

General Technical Data

Protection Class IEC/EN 60529	IP40
Connector	12 pin Binder connector
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4502A (000-597)

Accessories

 Coupling socket 12 pin	Type	18008371
 Couplings	Type	2301A... to 2303A...

Accessories Cable_000-6'15e-09.24

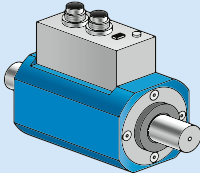
Cable and Connection Torque Sensor Type 4503...

Measure

Connect

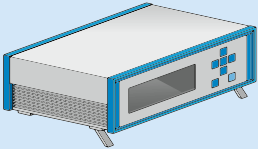
Amplify

Monitor & Control



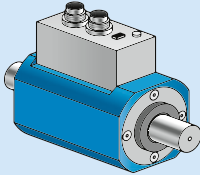
Type 4503...



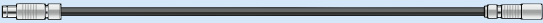


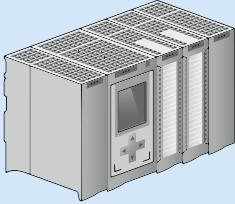
Type 4700B...

12 pin to CoMo Torque (Voltage)	Length (m)	Material No.	12 pin to CoMo Torque (Frequency)	Length (m)	Material No.
4503...	2,5	18008967	4503...	2,5	18008969
4503...	variable	18008968	4503...	variable	18008970



Type 4503...

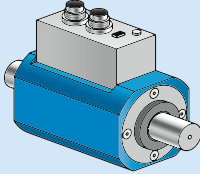




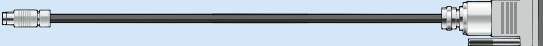
PLC

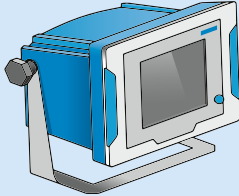
7 pin to free end	Length (m)	Material No.	7 pin to SUB-D (RS-232C)	Length (m)	Material No.
4503...	5	18008996	4503...	5	18008994
4503...	variable	18008997	4503...	variable	18008995

12 pin to free end	Length (m)	Material No.	12 pin Female to 12 pin Male	Length (m)	Material No.
4503...	5	18008943	4503...	5	18008935
4503...	variable	18008944	4503...	variable	18008936



Type 4503...



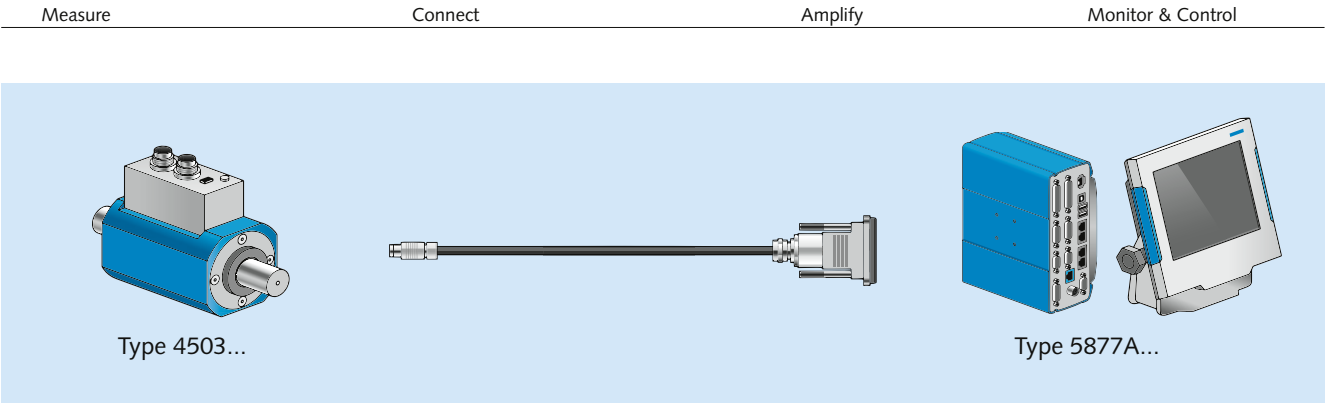


Type 5867A...

12 pin to maXYmos BL	Length (m)	Material No.
4503...	5	18029193
4503...	variable	18029194

Accessories Cable_000-6'15e-09.24

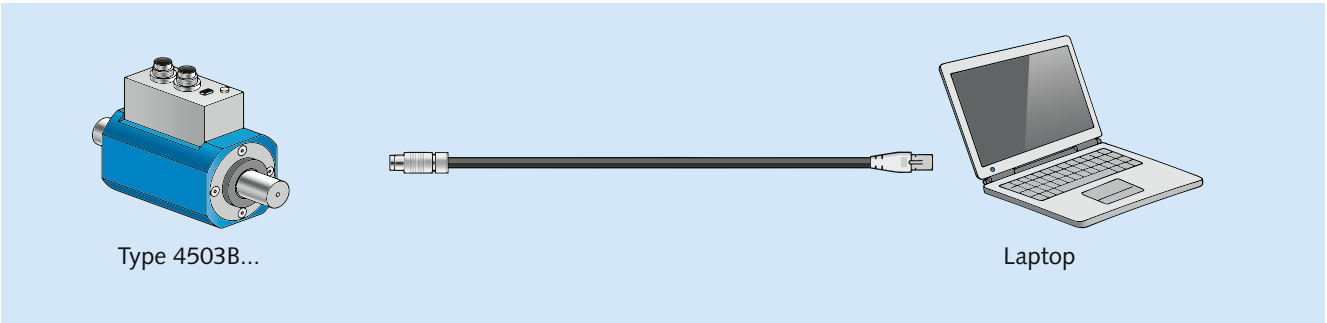
Cable and Connection Torque Sensor Type 4503...



7 pin to maXYmos TL ¹	Length (m)	Material No.
4503...	5	18031756
4503...	variable	not available

¹Measuring range changeover

12 pin to maXYmos TL	Length (m)	Material No.
4503...	5	18026961
4503...	variable	18027032



USB cable	Length (m)	Material No.
4503B...	1,8	55115378

General Technical Data	
Protection Class IEC/EN 60529	IP40
Connector	7- and 12 pin install plug
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4503A (000-595), 4503B (000-767)

Accessories		
Coupling socket 7 pin	Type	18008363
		
Coupling socket 12 pin	Type	18008371
		
SensorTool	Type	4706A
		
Couplings	Type	2301A... to 2303A...
		

Accessories Cable_000-6'15e-09.24

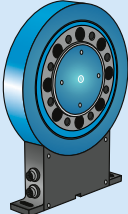
Cable and Connection Torque Sensor Type 4504B...

Measure

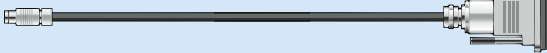
Connect

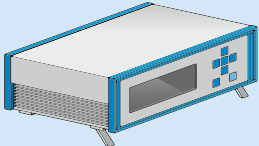
Amplify

Monitor & Control



Type 4504B...





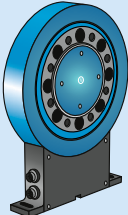
Type 4700B...

Connector A
12 pin to CoMo Torque (Voltage)

	Length (m)	Material No.
4504B...	2,5	18008967
4504B...	variable	18008968

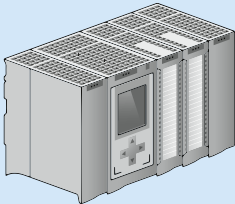
Connector A
12 pin to CoMo Torque (Frequency)

	Length (m)	Material No.
4504B...	2,5	18008969
4504B...	variable	18008970



Type 4504B...





SPS

Connector B and C
7 pin to free end

	Length (m)	Material No.
4504B...	5	18008996
4504B...	variable	18008997

Connector D
8 pin to free end

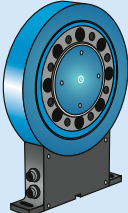
	Length (m)	Material No.
4504B...	5	55109745
4504B...	variable	not available

Connector A
12 pin to free end

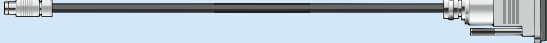
	Length (m)	Material No.
4504B...	5	18008943
4504B...	variable	18008944

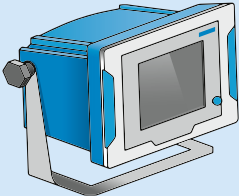
Connector A
12 pin Female to 12 pin Male

	Length (m)	Material No.
4504B...	5	18008935
4504B...	variable	18008936



Type 4504B...





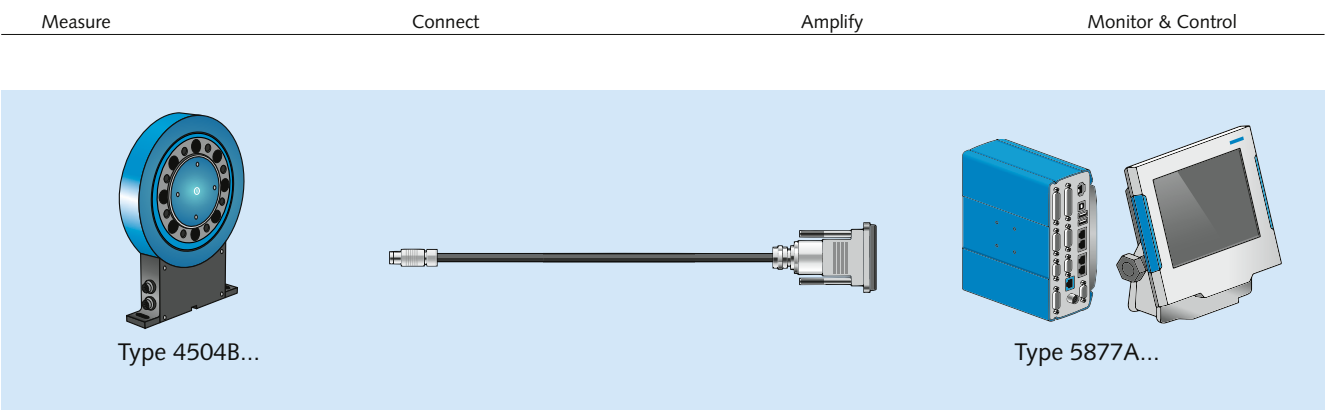
Type 5867A...

Connector A
12 pin to maXYmos BL

	Length (m)	Material No.
4504B...	5	18029193
4504B...	variable	18029194

Accessories Cable_000-6'15e-09.24

Cable and Connection Torque Sensor Type 4504B...



Connector A 12 pin to maXYmos TL	Length (m)	Material No.
4504B...	5	18026961
4504B...	variable	18027032

General Technical Data	
Protection Class IEC/EN 60529	IP40
Connector	7-, 8- and 12 pin install plug
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4504B (000-805)

Accessories		
Coupling socket 7 pin	Type	18008363 Connector C
		
Coupling socket 8 pin	Type	KSM013136 Connector D
		
SensorTool	Type	4706A
		
Couplings	Type	2300A...
		

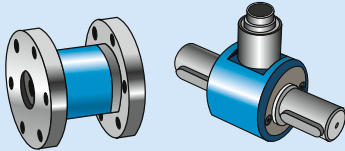
Cable and Connection Torque Sensor Type 4507A... and Type 4509A...

Measure

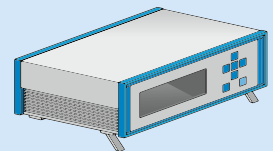
Connect

Amplify

Monitor & Control

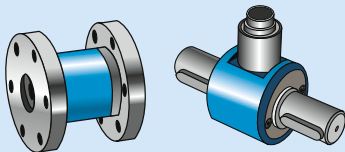


Type 4507A... and Type 4509A...

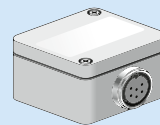
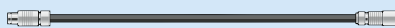


Type 4700B...

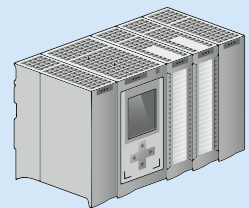
6 pin to CoMo Torque	Length (m)	Material No.
4507A... and 4509A...	2,5	18008959
4507A... and 4509A...	variable	18008960



Type 4507A... and Type 4509A...



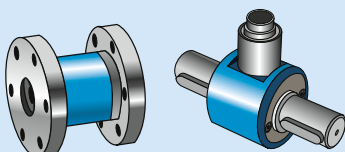
Type 4701A...



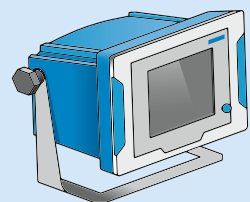
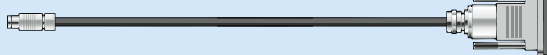
PLC

6 pin on free end	Length (m)	Material No.
4507A... and 4509A...	5	18008939
4507A... and 4509A...	variable	18008940

6 pin Connector/Female bs.	Length (m)	Material No.
4507A... and 4509A...	5	18008930
4507A... and 4509A...	variable	18008931



Type 4507A... and Type 4509A...



Type 5867A...

6 pin to maXYmos BL	Length (m)	Material No.
4507A... and 4509A...	5	18009163
4507A... and 4509A...	variable	18009164

Cable and Connection Torque Sensor Type 4507A... and Type 4509A...

Measure

Connect

Amplify

Monitor & Control

Type 4507A... and Type 4509A...

Cable and connector

Type 5877A...

6 pin to maXYmos TL	Length (m)	Material No.
4507A... and 4509A...	5	18009163
4507A... and 4509A...	variable	18009164

General Technical Data	
Protection Class IEC/EN 60529	IP40
Connector	6 pin install plug
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet	4507A (0150RD), 4509 (0154RW)

Accessories		
	Coupling socket 6 pin	Type 18008377
	Amplifier for strain gage sensors	Type 4701A...

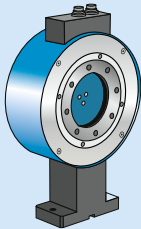
Cable and Connection Torque Sensor Type 4510B...

Measure

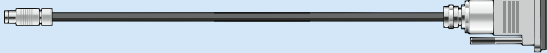
Connect

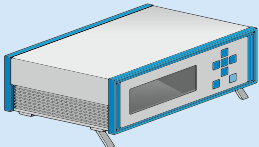
Amplify

Monitor & Control



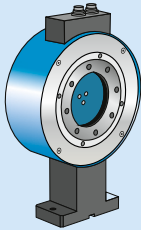
Type 4510B...



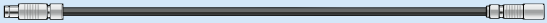


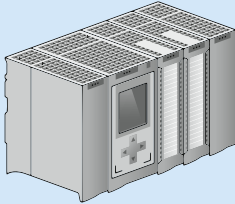
Type 4700B...

12 pin to CoMo Torque (Voltage)	Length (m)	Material No.	12 pin to CoMo Torque (Frequency)	Length (m)	Material No.
4510B...	2,5	18008967	4510B...	2,5	18008969
4510B...	variable	18008968	4510B...	variable	18008970



Type 4510B...

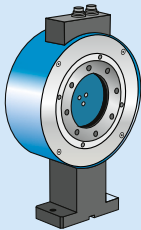




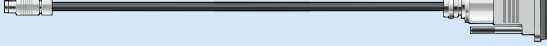
PLC

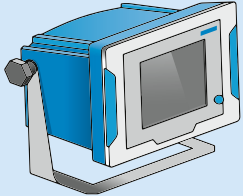
7 pin to free end	Length (m)	Material No.	7 pin to SUB-D	Length (m)	Material No.
4510B...	5	18008996	4510B...	5	18008994
4510B...	variable	18008997	4510B...	variable	18008995

12 pin to free end	Length (m)	Material No.	12 pin Female to 12 pin Male	Length (m)	Material No.
4510B...	5	18008943	4510B...	5	18008935
4510B...	variable	18008944	4510B...	variable	18008936



Type 4510B...





Type 5867A...

12 pin to maXYmos BL	Length (m)	Material No.
4510B...	5	18029193
4510B...	variable	18029194

Accessories Cable_000-6'15e-09.24

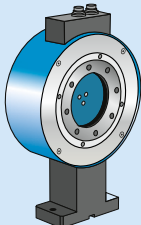
Cable and Connection Torque Sensor Type 4510B...

Measure

Connect

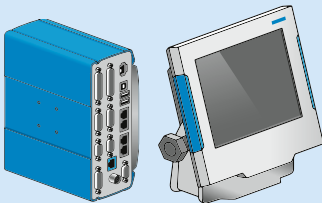
Amplify

Monitor & Control



Type 4510B...





Type 5877A...

7 pin to maXYmos TL ¹	Length (m)	Material No.	12 pin to maXYmos TL	Length (m)	Material No.
4510B...	5	18031756	4510B...	5	18026961
4510B...	variable	not available	4510B...	variable	18027032

¹Measuring range changeover

General Technical Data

Protection Class IEC/EN 60529	IP40
Connector	7- and 12 pin install plug
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4510B (000-737)

Accessories

	Coupling socket 7 pin	Type	18008363
	Coupling socket 12 pin	Type	18008371
	SensorTool	Type	4706A

Accessories Cable_000-615e-09.24

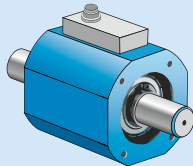
Cable and Connection Torque Sensor Type 4520A...

Measure

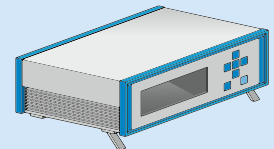
Connect

Amplify

Monitor & Control

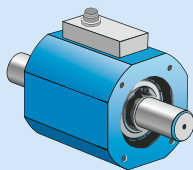


Type 4520A...

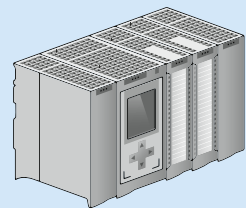
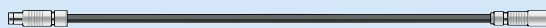


Type 4700B...

12 pin to CoMo Torque	Length (m)	Material No.
4520A...	2,5	18008963
4520A...	variable	18008964



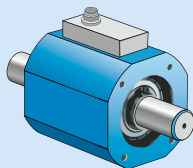
Type 4520A...



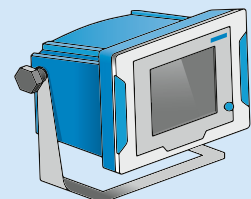
PLC

12 pin to free end	Length (m)	Material No.
4520A...	5	18008943
4520A...	variable	18008944

12 pin Connector both side	Length (m)	Material No.
4520A...	5	18008935
4520A...	variable	18008936



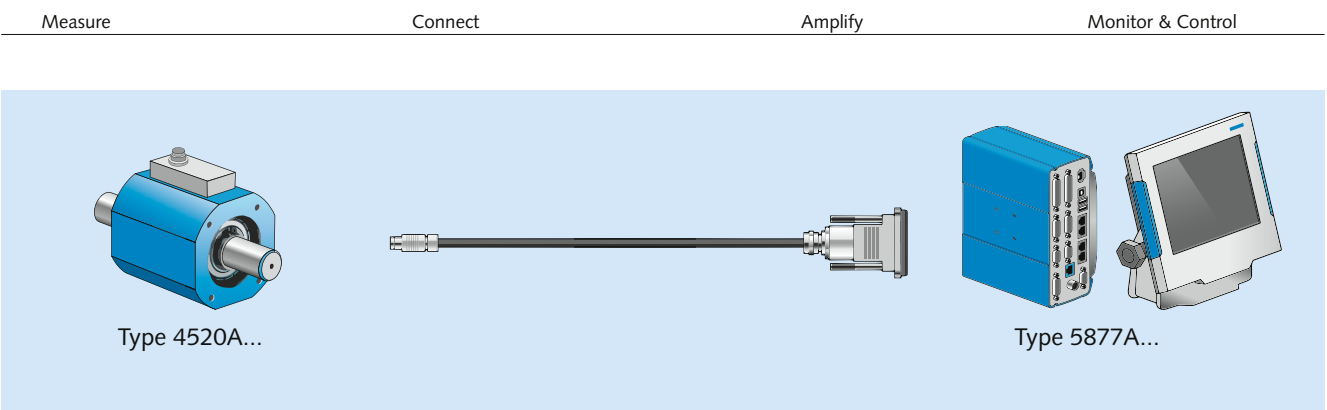
Type 4520A...



Type 5867A...

12 pin to maXmos BL	Length (m)	Material No.
4520A...	5	18019422
4520A...	variable	18029045

Cable and Connection Torque Sensor Type 4520A...



12 pin to maXYmos TL	Length (m)	Material No.
4520A...	5	18027071
4520A...	variable	18027073

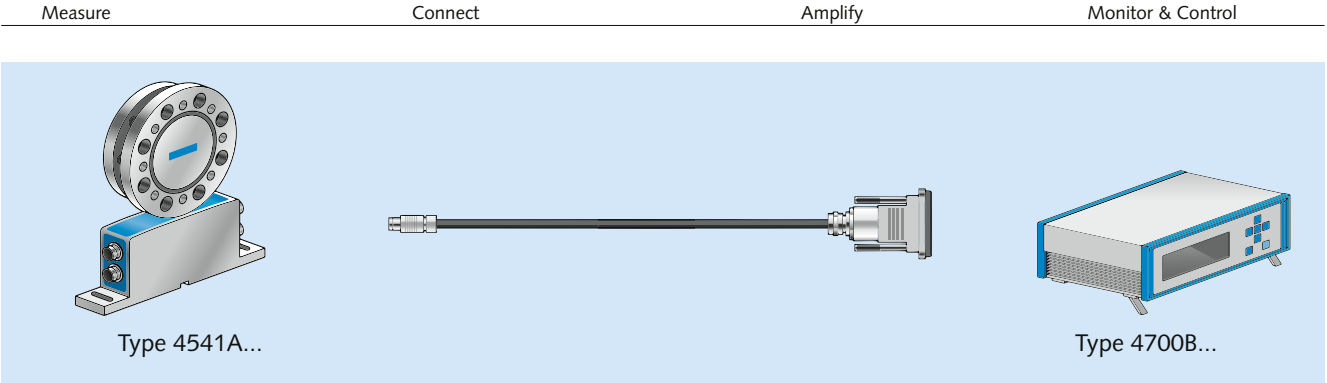
General Technical Data

Protection Class IEC/EN 60529	IP40
Connector	12 pin Binder connector
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4520A (000-765)

Accessories

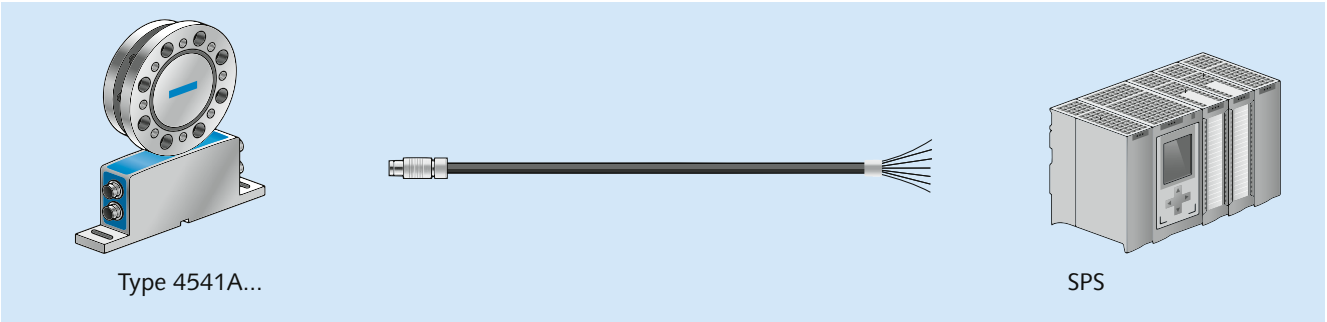
Coupling socket 12 pin	Type	18008371
		
Couplings	Type	2301A... to 2303A...
		

Cable and Connection Torque Sensor Type 4541A...



Connector X4 12 pin to CoMo Torque (Voltage)	Length (m)	Material No.
4541A...	2,5	18008967
4541A...	variable	18008968

Connector X4 12 pin to CoMo Torque (Frequency)	Length (m)	Material No.
4541A...	2,5	18008969
4541A...	variable	18008970



Connector X1 and X3 7 pin on free end	Length (m)	Material No.
4541A...	5	18008996
4541A...	variable	18008997

Connector X1 7 pol Special frequency cable for EMV compatibility	Length (m)	Material No.
4541A...	variable	18031630

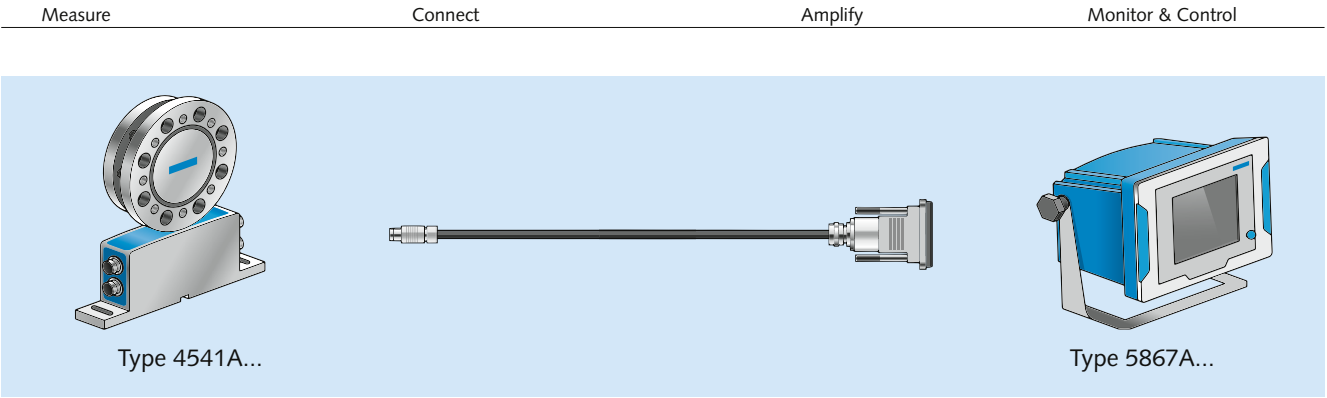
Connector X4 12 pin to free end	Length (m)	Material No.
4541A...	5	18008943
4541A...	variable	18008944

Connector X2 14 pin Connector to free end	Length (m)	Material No.
4541A...	5	18017610
4541A...	variable	18030136

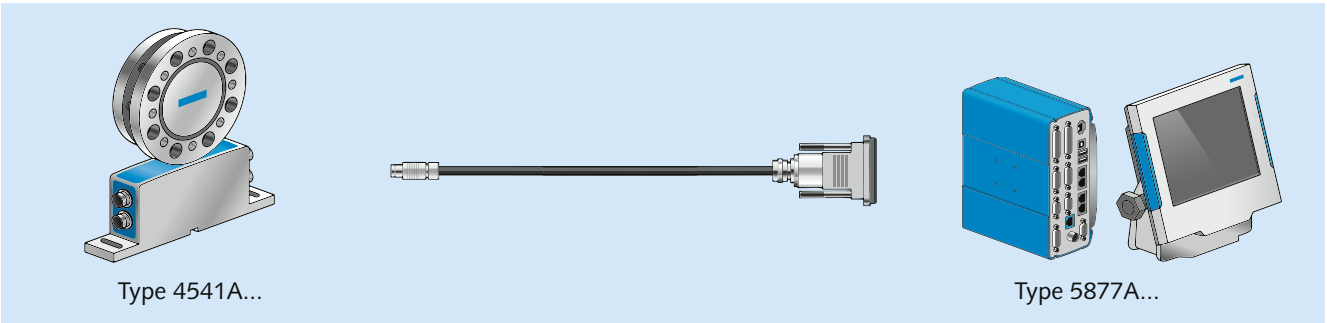
Material Nr. 18008996 / 18008997 (free ends)					
Cable definition					
1	white	2	brown	3	green
4	yellow	5	grey	6	pink
7	blue				

Material Nr. 18008943 / 18008944 (free ends)					
Cable definition					
A	violette	B	yellow	C	pink
D	grey	E	blue	F	red
G	green	H	black	J	white
K	grey/pink	L	brown	M	- - -

Cable and Connection Torque Sensor Type 4541A...



Connector X4 12 pin to maXYmos BL	Length (m)	Material No.
4541A...	5	18029193
4541A...	variable	18029194



Connector X4 12 pin to maXYmos TL	Length (m)	Material No.
4541A...	5	18026961
4541A...	variable	18027032

Connector X2 14 pin to maXYmos TL ¹	Length (m)	Material No.
4541A...	5	18032047
4541A...	variable	not available

¹ Measuring range changeover

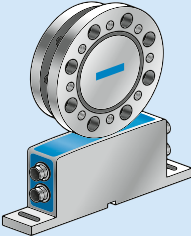
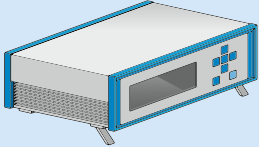
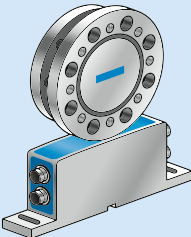
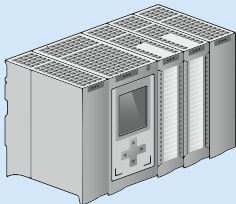
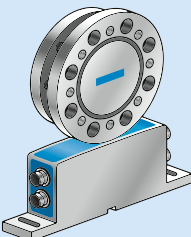
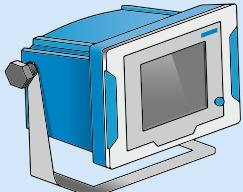
Connector X5 USB cable	Length (m)	Material No.
4541A...	1,8	55115378

General Technical Data	
Protection Class IEC/EN 60529	IP40
Connector	7-, 12- and 14 pin install plug
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Data sheet see www.kistler.com	4541A (000-879), 4542A (003-057), 4551A (003-169)

Accessories		
Coupling socket 7 pin	Type	18008363
		
Coupling socket 12 pin	Type	18008371
		
Coupling socket 14 pin	Type	18019319
		
SensorTool	Type	4706A
		
Couplings	Type	2300A... / 2305A...
		

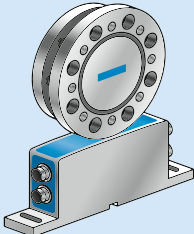
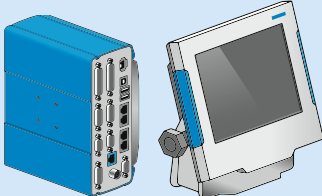
Accessories Cable_000-6'15e-09.24

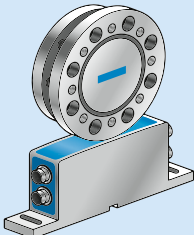
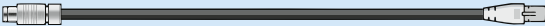
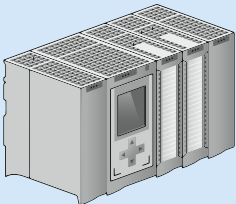
Cable and Connection Torque Sensor Type 4542A...

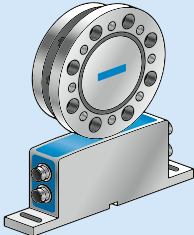
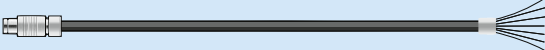
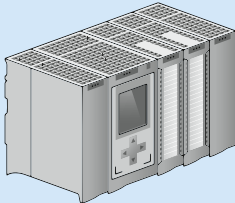
Measure	Connect	Amplify	Monitor & Control		
 Type 4542A...			 Type 4700B...		
Connector X4 12 pin to CoMo Torque (Voltage)	Length (m)	Material No.	Connector X4 12 pin to CoMo Torque (Frequency)	Length (m)	Material No.
4542A...	2,5	18008967	4542A...	2,5	18008969
4542A...	variable	18008968	4542A...	variable	18008970
 Type 4542A...			 PLC		
Connector X3 7 pin to free end	Length (m)	Material No.	Connector X4 12 pin to free end	Length (m)	Material No.
4542A...	5	18008996	4542A...	5	18008943
4542A...	variable	18008997	4542A...	variable	18008944
 Type 4542A...			 Type 5867A...		
			Connector X4 12 pin to maXYmos BL	Length (m)	Material No.
			4542A...	5	18029193
			4542A...	variable	18029194

Accessories Cable_000-6'15e-09.24

Cable and Connection Torque Sensor Type 4542A...

Measure	Connect	Amplify	Monitor & Control
 Type 4542A...			 Type 5877A...
Connector X4 12 pin to maXYmos TL	Length (m) Material No.	Connector X5 USB cable	Length (m) Material No.
4542A...	5 18026961	4542A...	1,8 55115378
4542A...	variable 18027032		

 Type 4542A...		
Connector X1 PROFINET, EtherCAT, EtherNet/IP M12 D coded RJ45 cat5e	Length (m) Material No.	PROFINET EtherCAT EtherNet/IP
4542A...	2 55117503	
4542A...	5 55117504	
4542A...	10 18026867	

 Type 4542A...		
Connector X2, PROFIBUS M12 B coded to free end	Length (m) Material No.	PROFIBUS
4542A...	2 18029811	
4542A...	5 55117502	

Connector X2, PROFIBUS 1 to 1 extension à M12 B coded	Length (m) Material No.
4542A...	2 55117321
4542A...	5 55117500

Accessories Cable_000-6'15e-09.24

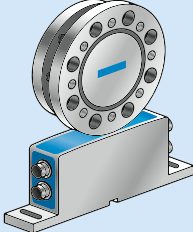
Cable and Connection Torque Sensor Type 4542A...

Measure

Connect

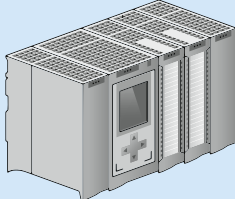
Amplify

Monitor & Control



Type 4542A...





CAN Bus

Connector X2, CAN Bus
M12 A coded to free end

	Length (m)	Material No.
4542A...	2	55117499
4542A...	5	55117388

Connector X2, CAN Bus
1 to 1 extension - M12 A coded

	Length (m)	Material No.
4542A...	2	18029812
4542A...	5	55117501

General Technical Data		X1 + X2
Protection Class IEC/EN 60529	IP54	IP67
Connector	7-, and 12 pin install plug	bus connector M12
Type of cable	LiYCY transparent shielded	PUR
Temperature range	-10 °C ... +70 °C	-20 °C ... +80 °C
Bending radius	approx. 10x outside diameter	4x outside diameter fixed published 8x outside diameter flexible published
Datenblatt siehe www.kistler.com		4542A (003-057), 4550A (000-880)

Accessories		
Coupling socket 7 pin	Type	18008363
		
Coupling socket 12 pin	Type	18008371
		
Coupling socket 14 pin	Type	18019319
		
SensorTool	Type	4706A
		
Couplings	Type	2300A... / 2305A...
		

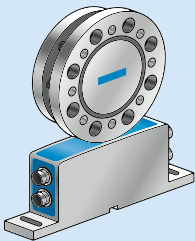
Cable and Connection Torque Sensor Type 4552A...S10...

Measure

Connect

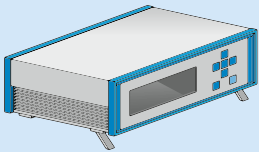
Amplify

Monitor & Control



Type 4552A...S10...

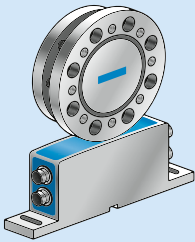




Type 4700B...

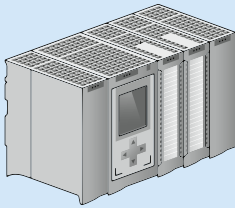
Connector X4 12 pin to CoMo Torque (Voltage)	Length (m)	Material No.
4552A...S10...	2,5	18008967
4552A...S10...	variable	18008968

Connector X4 12 pin to CoMo Torque (Frequency)	Length (m)	Material No.
4552A...S10...	2,5	18008969
4552A...S10...	variable	18008970



Type 4552A...S10...





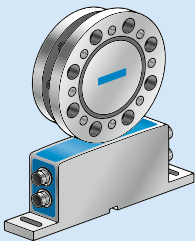
SPS

Connector X1 and X3 7 pin to free end	Length (m)	Material No.
4552A...S10...	5	18008996
4552A...S10...	variable	18008997

Connector X1 7 pol Special frequency cable for EMV compatibility	Length (m)	Material No.
4552A...S10...	variable	18031630

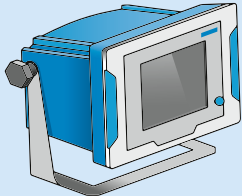
Connector X4 12 pin to free end	Length (m)	Material No.
4552A...S10...	5	18008996
4552A...S10...	variable	18008997

Connector X2 14 pin Connector to free end	Length (m)	Material No.
4552A...S10...	5	18017610
4552A...S10...	variable	18030136



Type 4552A...S10...



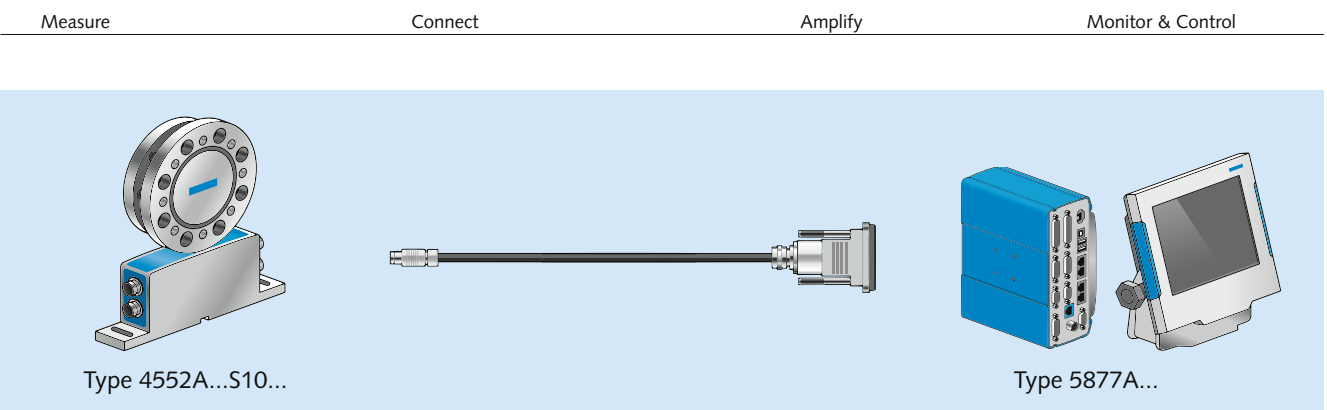


Type 5867A...

12 pin to maXYmos BL	Length (m)	Material No.
4552A...S10...	5	18029193
4552A...S10...	variable	18029194

Accessories Cable_000-6'15e-09.24

Cable and Connection Torque Sensor Type 4552A...S10



Connector X4 12 pin to maXYmos TL	Length (m)	Material No.
4552A...S10...	5	18026961
4552A...S10...	variable	18027032

Connector X5 USB cable	Length (m)	Material No.
4552A...S10...	1,8	55115378

Connector X2 14 pin to maXYmos TL ¹	Length (m)	Material No.
4552A...S10...	5	18032047
4552A...S10...	variable	not available

¹ Measuring range changeover

General Technical Data	
Protection Class IEC/EN 60529	IP40
Connector	7-, and 12 pin install plug
Type of cable	LiYCY transparent shielded
Temperature range	-10 °C ... +70 °C
Bending radius	approx. 10x outside diameter
Datenblatt siehe www.kistler.com	4552A... (003-XXX)

Accessories		
Coupling socket 7 pin	Type	18008363
		
Coupling socket 12 pin	Type	18008371
		
Coupling socket 14 pin	Type	18019319
		
SensorTool	Type	4706A
		
Couplings	Type	2305A...
		

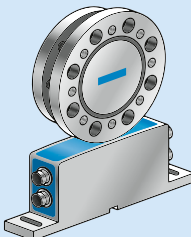
Cable and Connection Torque Sensor Type 4552A...S2...

Measure

Connect

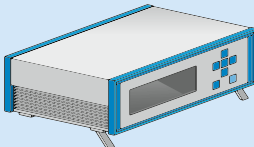
Amplify

Monitor & Control



Type 4552A...S2...

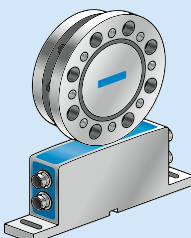




Type 4700B...

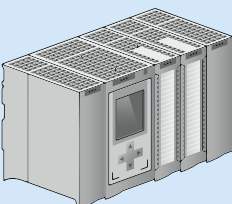
Connector X4 12 pin to CoMo Torque (Voltage)	Length (m)	Material No.
4552A...S2...	2,5	18008967
4552A...S2...	variable	18008968

Connector X4 12 pin to CoMo Torque (Frequency)	Length (m)	Material No.
4552A...S2...	2,5	18008969
4552A...S2...	variable	18008970



Type 4552A...S2...

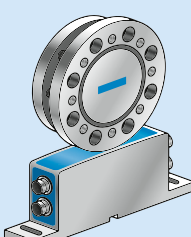




PLC

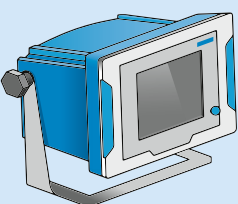
Connector X1 and X3 7 pin to free end	Length (m)	Material No.
4552A...S2...	5	18008996
4552A...S2...	variable	18008997

Connector X4 12 pin to free end	Length (m)	Material No.
4552A...S2...	5	18008943
4552A...S2...	variable	18008944



Type 4552A...S2...





Type 5867A...

Connector X4 12 pin to maXymos BL	Length (m)	Material No.
4552A...S2...	5	18029193
4552A...S2...	variable	18029194

Accessories Cable_000-6'15e-09.24

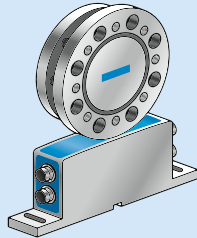
Cable and Connection Torque Sensor Type 4552A...S2...

Measure

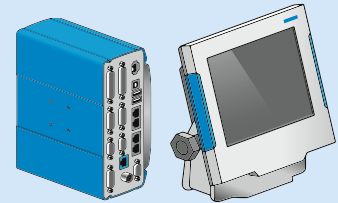
Connect

Amplify

Monitor & Control



Type 4552A...S2...



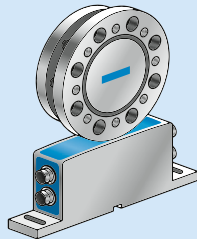
Type 5877A...

Connector X4
12 pin to maXYmos TL

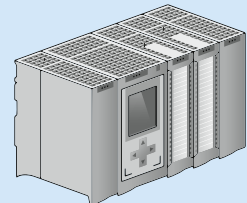
12 pin to mXYmos TL	Length (m)	Material No.
4552A...S2...	5	18026961
4552A...S2...	variable	18027032

Connector X5
USB cable

USB cable	Length (m)	Material No.
4552A...S2...	1,8	55115378



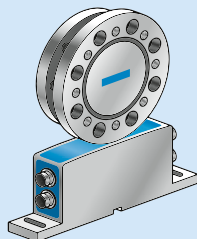
Type 4552A...S2...



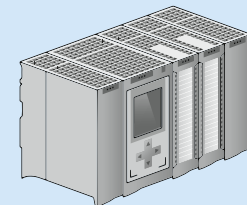
PROFINET
EtherCAT
EtherNet/IP

Connector X1
PROFINET, EtherCAT, EtherNet/IP
M12 D coded RJ45 cat5e

M12 D coded RJ45 cat5e	Length (m)	Material No.
4552A...S2...	2	55117503
4552A...S2...	5	55117504
4552A...S2...	10	18026867



Type 4552A...S2...



PROFIBUS

**Connector X2, PROFIBUS
M12 B coded to free end**

M12 B coded to free end	Length (m)	Material No.
4552A...S2...	2	18029811
4552A...S2...	5	55117502

Connector X2, PROFIBUS
1 to 1 extension à M12 B coded

1 to 1 extension à M12 B coded	Length (m)	Material No.
4552A...S2...	2	55117321
4552A...S2...	5	55117500

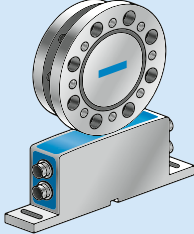
Cable and Connection Torque Sensor Type 4552A...S2...

Measure

Connect

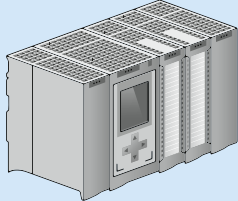
Amplify

Monitor & Control



Type 4552A...S2...





CAN Bus

Connector X2, CAN Bus
M12 A coded to free end

	Length (m)	Material No.
4552A...S2...	2	55117499
4552A...S2...	5	55117388

Connector X2, CAN Bus
1 to 1 extension - M12 A coded

	Length (m)	Material No.
4552A...S2...	2	18029812
4552A...S2...	5	55117501

General Technical Data		X1 + X2
Protection Class IEC/EN 60529	IP54	IP67
Connector	7-, and 12 pin install plug	bus connector M12
Type of cable	LiYCY transparent shielded	PUR
Temperature range	-10 °C ... +70 °C	-20 °C ... +80 °C
Bending radius	approx. 10x outside diameter	4x outside diameter fixed published 8x outside diameter flexible published
Datenblatt siehe www.kistler.com		4552A (003-xxx)

Accessories		
Coupling socket 7 pin	Type	18008363
		
Coupling socket 12 pin	Type	18008371
		
Coupling socket 14 pin	Type	18019319
		
SensorTool	Type	4706A
		
Couplings	Type	2305A...
		

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