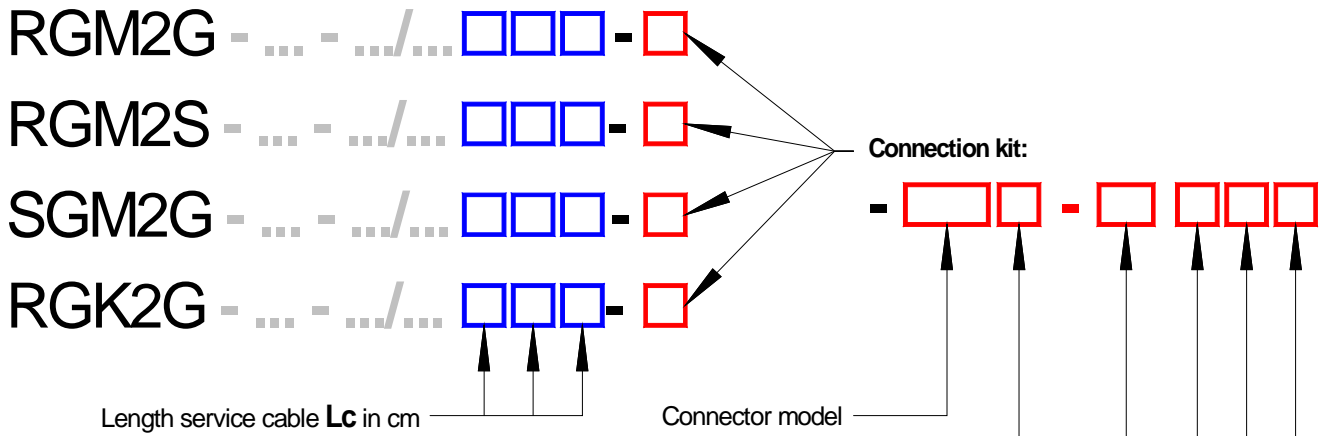
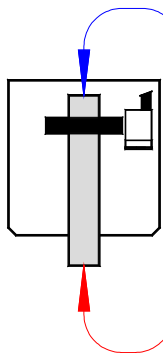


Magnetic Gear Wheel Encoder Order Codes - Connection Kit



Signal sequence

The signal sequence ("signal A before B in clockwise rotation") is defined from which side the view is directed towards the axis (spindle).



"S" - view from above onto the encoder (VS Sensorik standard design)

"P" - view from the front onto the spindle
(for example, to replace the SIEMENS sensor SIZAG & SIMAG)

T cable model

No indication = no T cable

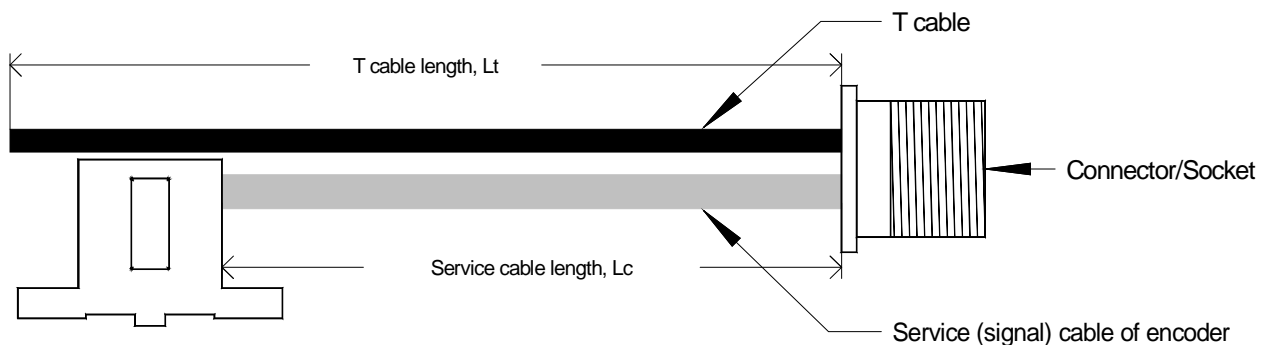
"T8", "T4" or "T2"

Other types upon request

Length T cable in cm (e.g. "050" for 50 cm)

No indication, then $L_t = L_c + 3$ cm

Attention!
Customized design
of the connection kit
upon request



Magnetic Gear Wheel Encoder

Order Codes: T Cable

Model T8

■ Outer sheath material	FEP (Teflon)
■ Insulation material	FEP (Teflon)
■ Outer diameter	ca. 3,8mm
■ Cross-sectional area of individual wire	0,14mm ²
■ Number of individual wires	8
■ Colour assignment	Brown, White, Blue, Red, Green, Yellow, Pink, Grey
■ Sheath	none

Model T4

■ Outer sheath material	PUR
■ Insulation material	Polyolefin
■ Outer diameter	ca. 4,8mm
■ Cross-sectional area of individual wire	0,14mm ²
■ Number of individual wires	4
■ Colour assignment	Brown White, Yellow, Green
■ Sheath	yes

Model T2

■ Outer sheath material	FEP (Teflon)
■ Insulation material of individual wires	FEP (Teflon)
■ Outer diameter	ca. 3,2mm
■ Cross-sectional area of individual wire	0,24mm ²
■ Number of individual wires	2
■ Colour assignment	Brown, White
■ Sheath	yes

Magnetic Gear Wheel Encoder

Order Code: Connector Model SG17P & SG17S

SG17

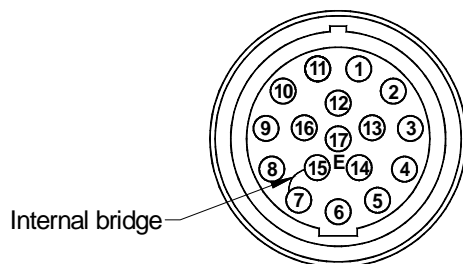
Straight Siemens mounting box with cable grip, degree of protection IP67, vibration protection, EMC-shielded, flange 25x25 mm



- Manufacturer Fa. Intercontec (AEGA000NN00000025028)
- Contact type Pin, ø1mm
- Number of pins 17
- Encoding E
- Locking M23x1
- Delivery kit Prefabricated insulator
Connector body
4 Torx-screws M2,5 x 6
Cap

	Pinassignment SG17P			Pin assignment SG17S	
	Sensor cable type			Sensor cable type	
	T ("Green")	P ("Black")		T ("Green")	P ("Black")
Signal A+ Signal A-	Pink Black	Grey Orange	Pin 1 Pin 2	White Brown	Brown Green
Signal B+ Signal B-	White Brown	Brown Green	Pin 11 Pin 12	Pink Black	Grey Orange
Signal Ref+ Signal Ref-	Grey Yellow	Red Black	Pin 3 Pin 13	Grey Yellow	Red Black
UB=5VDC RS_5V GND (0V)	Red Green Blue	Violet Blue Yellow	Pin 10 Pin 16 Pin 7 & 15	Red Green Blue	Violet Blue Yellow

Pin 17 - NC



Sheath Encoder cable lies on the body of sensor & mounting box

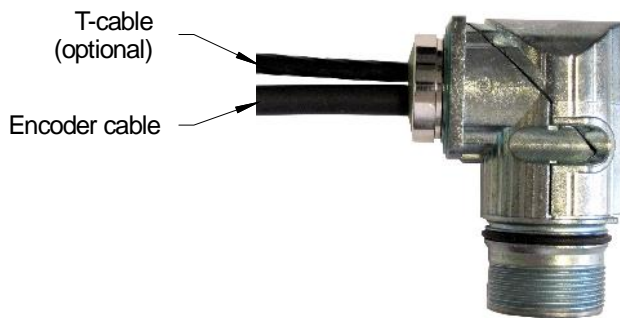
Schirm T cable lies on the connector body

Pin assignment SG17P & SG17S: T-cable			
	T2	T4	T8
Pin 4 Pin 4	NC NC	NC NC	Blue Green
Pin 5 Pin 5	NC NC	White White	Yellow Pink
Pin 6 Pin 8 Pin 9 Pin 14	NC Brown White NC	Yellow Brown Green NC	Grey Brown White Red

Magnetic Gear Wheel Encoder

Order Code: Connector Model SW17P & SW17S

SW17

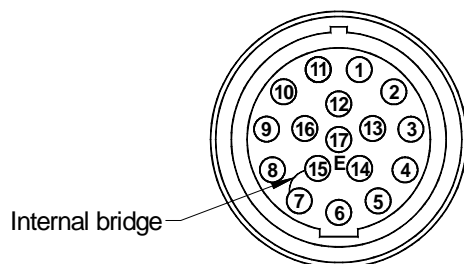


Angled Siemens mounting box with cable grip, degree of protection IP67, vibration protection, EMC-shielded, flange 25x25 mm

- Manufacturer Fa. Intercontec (AEWC000NN00000026013)
- Contact type Pin, ø1mm
- Number of Pins 17
- Encoding E
- Locking M23x1
- Delivery kit Prefabricated insulator
Connector body
4 Torx-screws M2,5 x 6
Cap

	Pin assignment SW17P			Pin assignment SW17S	
	Sensor cable type: T ("Green") P ("Black")			Sensor cable type: T ("Green") P ("Black")	
Signal A+ Signal A-	Pink Black	Grey Orange	Pin 1 Pin 2	White Brown	Brown Green
Signal B+ Signal B-	White Brown	Brown Green	Pin 11 Pin 12	Pink Black	Grey Orange
Signal Ref+ Signal Ref-	Grey Yellow	Red Black	Pin 3 Pin 13	Grey Yellow	Red Black
UB=5VDC RS_5V GND (0V)	Red Green Blue	Violet Blue Yellow	Pin 10 Pin 16 Pin 7 & 15	Red Green Blue	Violet Blue Yellow

Pin 17 - NC



Sheath Encoder cable lies on the sensor & mounting box

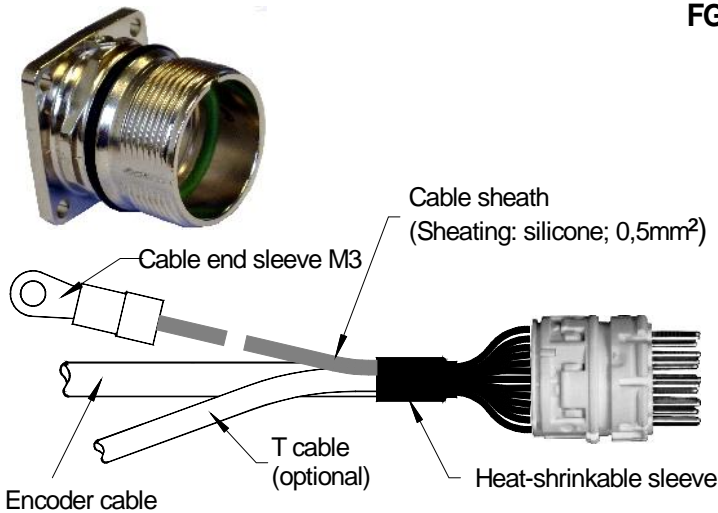
Sheath T cable lies on the connector body

Pin assignment SW17P & SW17S: T cable			
	T2	T4	T8
Pin 4 Pin 4	NC NC	NC NC	Blue Green
Pin 5 Pin 5	NC NC	White White	Yellow Pink
Pin 6 Pin 8 Pin 9 Pin 14	NC Brown White NC	Yellow Brown Green NC	Grey Brown White Red

Magnetic Gear Wheel Encoder

Order Code: Connector Model FG17P & FG17S

FG17

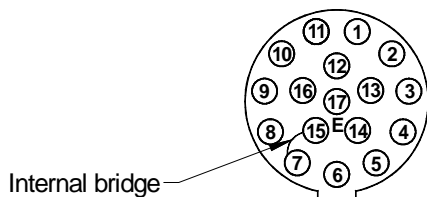


Straight Intercontec mounting box series 623, vibration protection, flange 25x25 mm, axial O-ring seal

- Manufacturer Fa. Intercontec (AEG A 139 NN 00 00 0201)
- Contact type Pin, ø1mm
- Number of Pins 17
- Encoding E
- Locking M23x1
- Delivery kit Prefabricated insulator
Connector body
4 Torx-screws M2,5 x 6
Cap

	Pin assignment FG17P			Pin assignment FG17S	
	Sensor cable type:			Sensor cable type:	
	T ("Green")	P ("Black")		T ("Green")	P ("Black")
Signal A+ Signal A-	Pink Black	Grey Orange	Pin 1 Pin 2	White Brown	Brown Green
Signal B+ Signal B-	White Brown	Brown Green	Pin 11 Pin 12	Pink Black	Grey Orange
Signal Ref+ Signal Ref-	Grey Yellow	Red Black	Pin 3 Pin 13	Grey Yellow	Red Black
UB=5VDC RS_5V GND (0V)	Red Green Blue	Violet Blue Yellow	Pin 10 Pin 16 Pin 7 & 15	Red Green Blue	Violet Blue Yellow

Pin 17 - NC



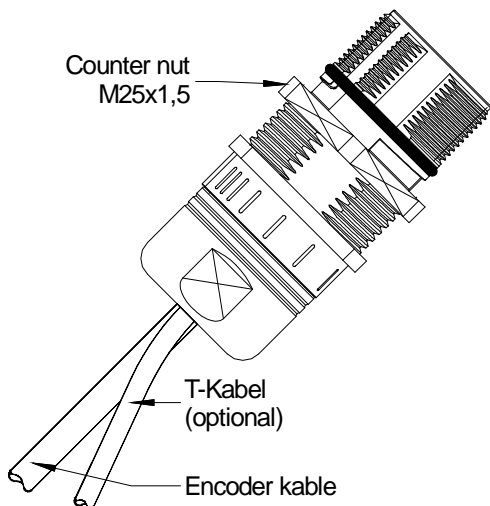
Sheath Encoder cable lies on the sensor & mounting box

Sheath T cable lies on the connector body

Pin assignment FG17P & FG17S: T cable			
	T2	T4	T8
Pin 4 Pin 4	NC NC	NC NC	Blue Green
Pin 5 Pin 5	NC NC	White White	Yellow Pink
Pin 6 Pin 8 Pin 9 Pin 14	NC Brown White NC	Yellow Brown Green NC	Grey Brown White Red

Magnetic Gear Wheel Encoder

Order Code: Connector Model KXG17P & KXG17S



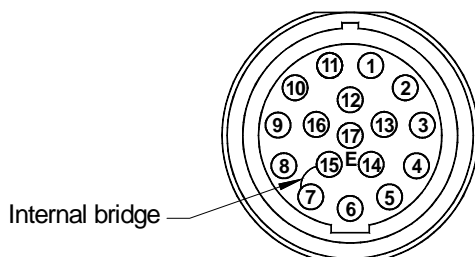
KXG17

Straight Intercontec coupling series 623, vibration protection, central attachment, fixed stop rear, wall thicknesses up to 9 mm

- Manufacturer Fa. Intercontec (AKU A 034 MR 04 38 0203)
- Contact type Pin, ø1mm
- Number of Pins 17
- Encoding E
- Locking M23x1
- Delivery kit Fully fabricated coupling Cap

	Pin assignment KXG17P			Pin assignment KXG17S	
	Sensor cable type: T ("Green") P ("Black")			Sensor cable type: T ("Green") P ("Black")	
Signal A+ Signal A-	Pink Black	Grey Orange	Pin 1 Pin 2	White Brown	Brown Green
Signal B+ Signal B-	White Brown	Brown Green	Pin 11 Pin 12	Pink Black	Grey Orange
Signal Ref+ Signal Ref-	Grey Yellow	Red Black	Pin 3 Pin 13	Grey Yellow	Red Black
UB=5VDC RS_5V GND (0V)	Red Green Blue	Violet Blue Yellow	Pin 10 Pin 16 Pin 7 & 15	Red Green Blue	Violet Blue Yellow

Pin 17 - NC



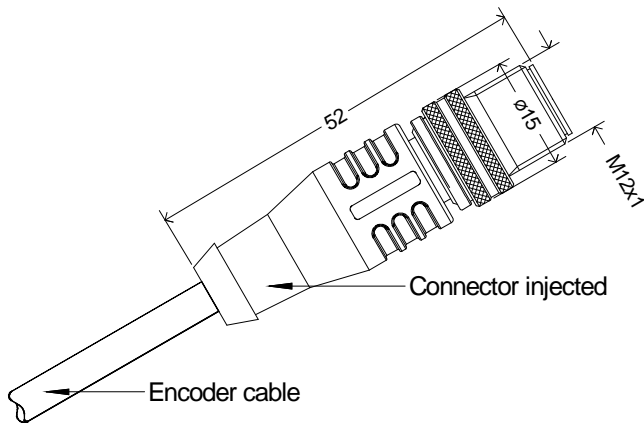
Sheath Encoder cable lies on the sensor & mounting box

Sheath T cable lies on the connector body

	T2	T4	T8
Pin 4 Pin 4	NC NC	NC NC	Blue Green
Pin 5 Pin 5	NC NC	White White	Yellow Pink
Pin 6 Pin 8 Pin 9 Pin 14	NC Brown White NC	Yellow Brown Green NC	Grey Brown White Red

Magnetic Gear Wheel Encoder

Order Code: Connector Model ESCG12S



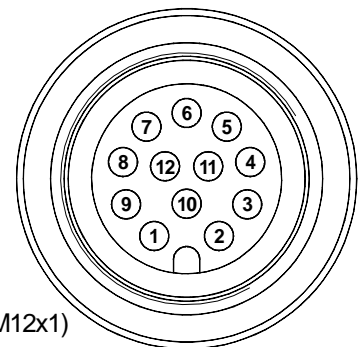
ESCG12S

ESCHA shielded connector M12x1
Encoder cable with connector grommet, sheathed
IP67 in plugged-in state

- Manufacturer Fa. ESCHA
(comparable to model AL-WASS12..)
- Contact type Stiff, CuZn, gilded
- Number of Pins 12
- Encoding A
- Locking M12x1
- Delivery kit Fully fabricated connector
No T cable possible

	Pin assignment ESCG12S	
	Sensor cable type: P ("Black")	
Signal A+ Signal A-	Pin 1 Pin 2	Brown Green
Signal B+ Signal B-	Pin 6 Pin 7	Grey Orange
Signal Ref+ Signal Ref-	Pin 3 Pin 8	Red Black
UB=5VDC RS_5V GND (0V)	Pin 5 Pin 10 Pin 4	Violet Blue Yellow

Pin 9, Pin 11 & Pin 12 - NC



Sheath Encoder cable lies on the body of sensor & mounting box (connecting thread M12x1)