



rtc[®]

COUPLING TECHNOLOGY



EC

rtc TYPE



Temperature Range - Temperaturbereich

Nitrile (N)	+5°C + 100°C (+41°F + 212°F)
Silicone (SIL)	-10°C + 150°C (+14°F + 302°F)
Chloroprene (CP)	-10°C + 100°C (+14°F + 212°F)

Flow size - Nennweiten

rtc EC.02	Housing Size 2
rtc EC.03	Housing Size 3
rtc EC.04	Housing Size 4

Standard version - Standardversion

Socket Housing	Aluminum
Buchsengehäuse	Aluminium
Contact Carrier	Nitrile (NBR)
Kontaktträger	Nitrile (NBR)
Socket / Pin	Gold Plated Brass -
Buchse / Stift	Vergoldeten Messing

Locking Ring	Stainless Steel
Sprengring	Edelstahl

Options - Optionen

- Contact Carrier - Kontaktträger
- Silicone (SIL)
- Chloroprene (CP)

Socket Housing - Buchsengehäuse

- Plastic Housing
- Plastic Insulated Housing
- Kunststoffgehäuse
- Kunststoffisoliertes Gehäuse

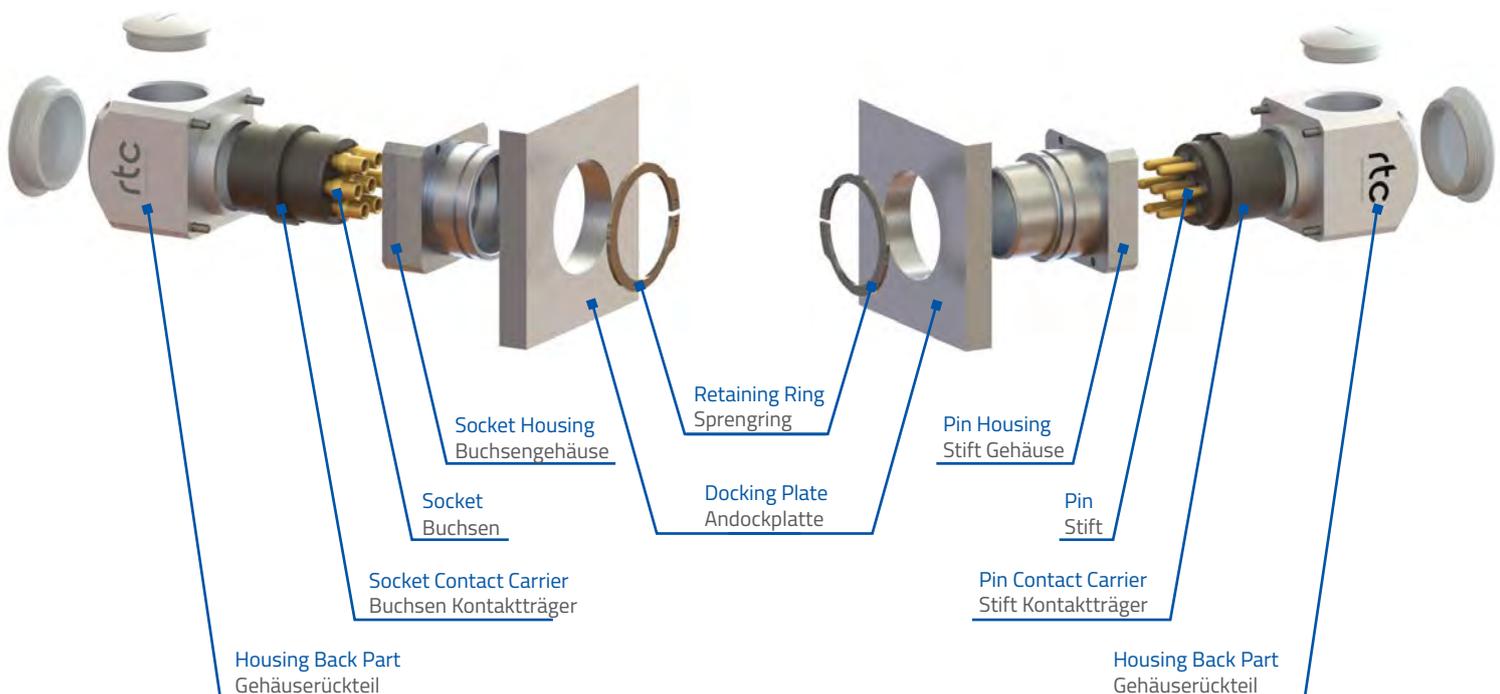
Advantages - Vorteile

The RTC Electrical Connectors has been specially developed for industrial use and meets the highest requirements. The solid cast housing is available in four sizes and thus covers a large number of possible applications.

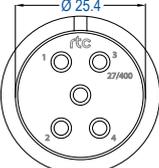
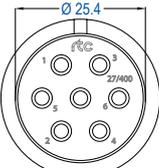
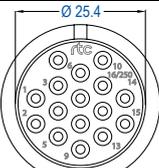
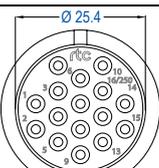
- High performance
- Maximum mating cycles
- Robust and reliable

Die RTC Electrical Connectors ist speziell für den industriellen Einsatz entwickelt worden und erfüllt höchste Anforderungen. Das solide Guss-Gehäuse ist in vier verfügbaren Größen erhältlich und deckt damit eine Vielzahl an Anwendungsmöglichkeiten ab.

- Hochleistung
- Maximale Steckzyklen
- Robust und zuverlässig

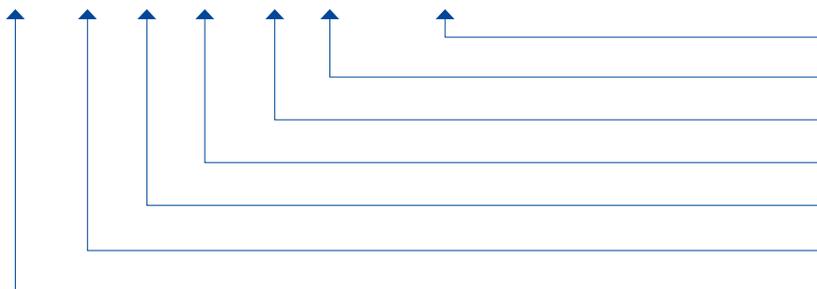


EC.02

Signal (BUS)	Hybrid	Power	High Current	Number of Contacts	Socket Contact Carrier (SCC) Nitrile = -30°C +100°C	Pin Contact Carrier (PCC)	Silicone -40°C +150°C	Chloroprene -40°C +100°C	Contact Carrier Footprint	Socket Housing (SH)	Pin Housing (PH)	Aluminium	Plastic	Pls. Insulated
				4+PE ↓ Ø3	EC.02 SCC 0530 	EC.02 PCC 0530 								
				6+PE ↓ Ø3	EC.02 SCC 0730 	EC.02 PCC 0730 	...-SIL			S type EC.02 SSH...	S type EC.02 SPH...			
				15+PE ↓ Ø2	EC.02 SCC 1620 	EC.02 PCC 1620 	...-SIL			E type EC.02 ESH...	E type EC.02 EPH...	-AL	-PS	-PIS
				15+PE ↓ Ø1.5	EC.02 SCC 1615 	EC.02 PCC 1615 	...-SIL			M type EC.02 MSH...	M type EC.02 MPH...			

Article number structure for contact carrier :

EC.02 S CC 7215 - ...



- Optional (-SIL = Silicone / -CP = Chloroprene)
- Contact size (15 = 1.5 mm / 30 = 3.0 mm / ...)
- Total Number of Contacts (72 = 70+2PE)
- CC = Contact Carrier
- S = Socket / P = Pin
- 02 / 03 / 04 = Connector Size
- EC = Electrical Connector

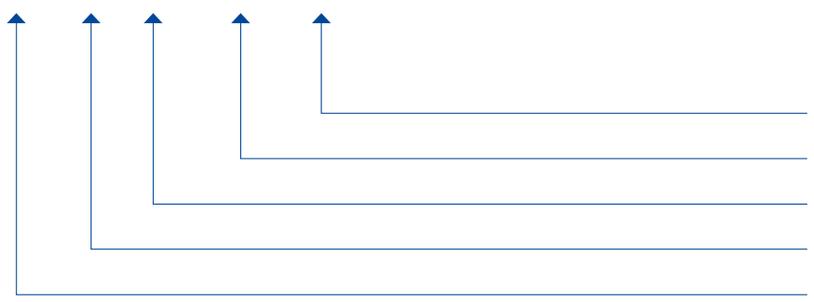
Contact Index	Contact Socket (S)	Contact Size (mm)	Contact Pin (P)	Connect/Disconnect Force (N)		Conductor Cross Section		Rated Current (A)	Voltage Range (V)		Mating Cycle	Blind Cap
						AWG	mm ²		Min.	Max.		
4xØ3 PE=Ø3	EC-S030-32-AU	Ø 3	EC-P030-32-AU	15-30	15-25	12	4.00	32	250	440	600.000	 EC-BC030
	EC-S030-32-AG		EC-P030-32-AG	50-70	35-65	14	2.50	20				
2xØ6 PE=Ø3	EC-S030-32-AU	Ø 3	EC-P030-32-AU	25-45	20-35	12	4.00	32	250	440	1.000.000	 EC-BC030
	EC-S030-32-AG		EC-P030-32-AG	70-115	55-100	14	2.50	20				
15xØ2 PE=Ø2	EC-S020-16-AU	Ø 2	EC-P020-16-AU	40-65	40-55	14*	2.50*	20*	25	250	1.000.000	 EC-BC020
	EC-S020-16-AG		EC-P020-16-AG	70-140	55-110	16	1.50	16				
15xØ1.5 PE=Ø1.5	EC-S015-16-AU	Ø 1.5	EC-P015-16-AU	40-65	40-55	16	1.50	16	25	250	1.000.000	 EC-BC020
	EC-S015-16-AG		EC-P015-16-AG	70-140	55-110	20	0.50	10				
						26	0.14	1				

* = For Silicone



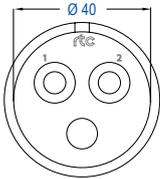
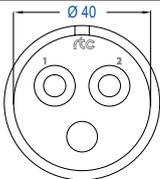
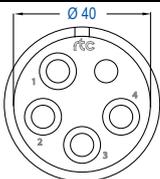
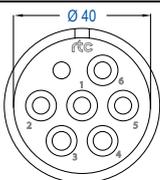
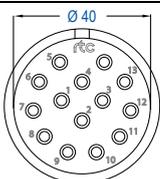
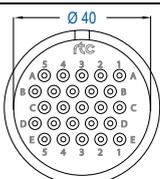
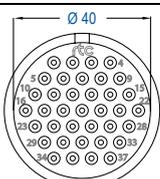
Article number structure for Socket and Pin :

EC - P 0 1 5 - 1 6 - AU

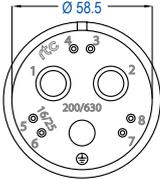
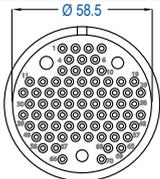


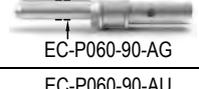
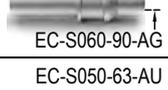
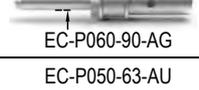
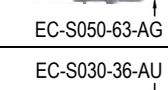
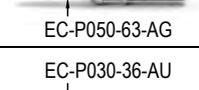
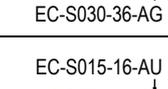
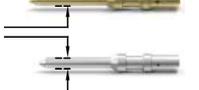
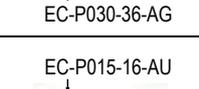
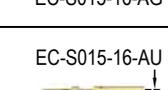
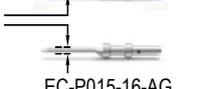
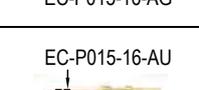
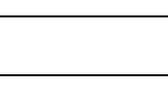
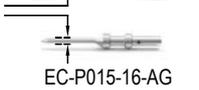
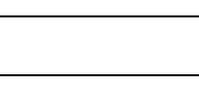
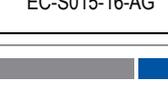
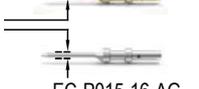
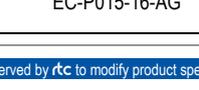
- Plating (AU = Gold / AG = Silver)
- Rated Current (16 = 16 Amper)
- Contact size (015 = 1.5 mm / 030 = 3.0 mm / ...)
- S = Socket / P = Pin
- EC = Electrical Connector

EC.03

Signal (BUS)	Hybrid	Power	High Current	Number of Contacts	Socket Contact Carrier (SCC) Nitrile = -30°C +100°C	Pin Contact Carrier (PCC)	Silicone -40°C +150°C	Chloroprene -40°C +100°C	Contact Carrier Footprint	Socket Housing (SH)	Pin Housing (PH)	Aluminium	Plastic	Pls. Insulated
				2+PE ↓ Ø8	EC.03 SCC 0380 	EC.03 PCC 0380 								
				2+PE ↓ Ø6	EC.03 SCC 0360 	EC.03 PCC 0360 								
				4+PE ↓ Ø6	EC.03 SCC 0560 	EC.03 PCC 0560 				S type EC.03 SSH...	S type EC.03 SPH...			
				6+PE ↓ Ø5	EC.03 SCC 0750 	EC.03 PCC 0750 	...SIL			E type EC.03 ESH...	E type EC.03 EPH...	-AL	-PS	-PIS
				13+PE ↓ Ø3	EC.03 SCC 1430 	EC.03 PCC 1430 				M type EC.03 MSH...	M type EC.03 MPH...			
				24+PE ↓ Ø1.5	EC.03 SCC 2515 	EC.03 PCC 2515 								
				36+PE ↓ Ø1.5	EC.03 SCC 3715 	EC.03 PCC 3715 	...SIL	...CP						

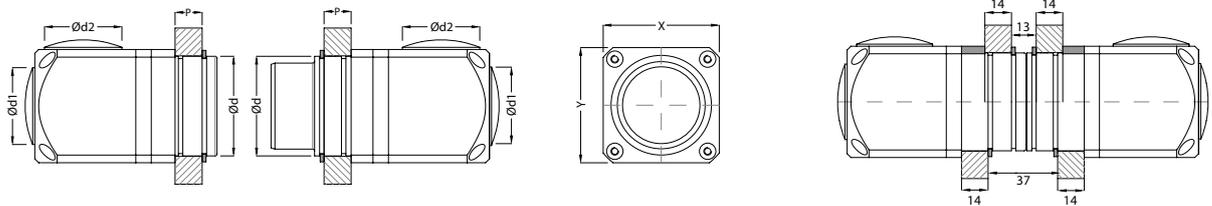
EC.04

				2+PE+6 ↓ Ø1.5 ↓ Ø11	EC.04 SCC 0311-0615 	EC.04 PCC 0311-0615 				S type EC.04 SSH...	S type EC.04 SPH...			
				70+2PE ↓ Ø1.5	EC.04 SCC 7215 	EC.04 PCC 7215 				E type EC.04 ESH...	E type EC.04 EPH...	-AL	-PS	-PIS
										M type EC.04 MSH...	M type EC.04 MPH...			

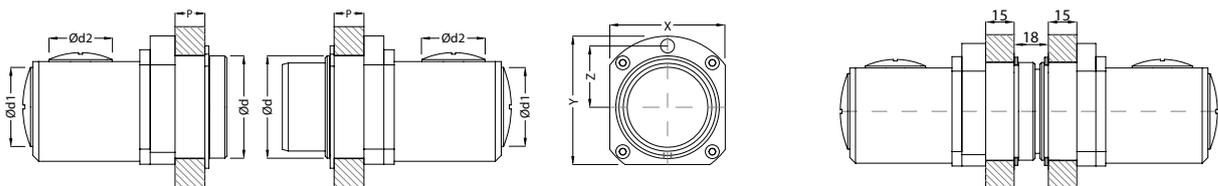
Contact Index	Contact Socket (S)	Contact Size (mm)	Contact Pin (P)	Connect/Disconnect Force (N)		Conductor Cross Section		Rated Current (A)	Voltage Range (V)		Mating Cycle	Blind Cap
						AWG	mm ²		Min.	Max.		
2xØ8 PE=Ø8	 EC-S080-150-AG	Ø 8	 EC-P080-150-AG	80-100	65-80	2	35	150	250	630	600.000	 EC-BC080
				120-140	70-90	4	25	135			550.000	
2xØ6 PE=Ø6	 EC-S060-90-AU  EC-S060-90-AG	Ø 6	 EC-P060-90-AU  EC-P060-90-AG	20-40	15-30	6	16	90	250	630	600.000	 EC-BC060
				35-55	30-50	8	10	80			550.000	
4xØ6 PE=Ø6	 EC-S060-90-AU  EC-S060-90-AG	Ø 6	 EC-P060-90-AU  EC-P060-90-AG	20-40	15-30	6	16	90	250	630	600.000	 EC-BC060
				35-55	30-50	8	10	80			550.000	
6xØ5 PE=Ø5	 EC-S050-63-AU  EC-S050-63-AG	Ø 5	 EC-P050-63-AU  EC-P050-63-AG	20-90	15-70	8	10	63	250	630	600.000	 EC-BC050
				70-160	60-140	10	6	50			550.000	
13xØ3 PE=Ø3	 EC-S030-36-AU  EC-S030-36-AG	Ø 3	 EC-P030-36-AU  EC-P030-36-AG	30-40	20-30	12	4.00	36	250	630	1.000.000	 EC-BC030
				120-170	100-140	14	2.50	20			550.000	
24xØ1.5 PE=Ø1.5	 EC-S015-16-AU  EC-S015-16-AG	Ø 1.5	 EC-P015-16-AU  EC-P015-16-AG	55-75	50-70	16	1.50	16	25	250	1.000.000	 EC-BC020
				140-210	120-170	20	0.50	10			550.000	
36xØ1.5 PE=Ø1.5	 EC-S015-16-AU  EC-S015-16-AG	Ø 1.5	 EC-P015-16-AU  EC-P015-16-AG	55-75	50-70	16	1.50	16	25	250	1.000.000	 EC-BC020
				140-210	120-170	20	0.50	10			550.000	
2xØ11 6xØ1.5 PE=Ø11	 EC-S110-200-AG	Ø 11	 EC-P110-200-AG	150-185	130-160	1/0	55	200	25 (Ø 1.5) 250	250 (Ø 11) 830	600.000	 EC-BC110
						2	35	170				
70xØ1.5 PE=2xØ11	 EC-S015-16-AU  EC-S015-16-AG	Ø 1.5	 EC-P015-16-AU  EC-P015-16-AG	150-270	135-210	16	1.50	16	25	250	600.000	 EC-BC020
				350-450	290-410	20	0.50	10			550.000	
						26	0.14	1				

Type	Socket Housing (SH)	Material			Pin Housing (PH)	Material			P	Ød	Ød1	Ød2	L	X	Y	Z
		Aluminium	Plastic	Pl. Insulated		Aluminium	Plastic	Pl. Insulated								
02 S	EC.02 SSH 10PG21	-AL	-PS	-PIS	EC.02 SPH 10PG21	-AL	-PS	-PIS	10	38	PG21	PG21	13	46	46	-
	EC.02 SSH 10M25				EC.02 SPH 10M25				10	38	M25x1.5	M25x1.5	13	46	46	-
	EC.02 SSH 10N26				EC.02 SPH 10N26				10	38	NPT 3/4	NPT 3/4	13	46	46	-
	EC.02 SSH 14PG21				EC.02 SPH 14PG21				14	38	PG21	PG21	13	46	46	-
	EC.02 SSH 14M25				EC.02 SPH 14M25				14	38	M25x1.5	M25x1.5	13	46	46	-
	EC.02 SSH 14N26				EC.02 SPH 14N26				14	38	NPT 3/4	NPT 3/4	13	46	46	-
02 E	EC.02 ESH 15PG16	-AL	-PS	-PIS	EC.02 EPH 15PG16	-AL	-PS	-PIS	15	38	PG16	PG16	15	46	46	21
	EC.02 ESH 15M25				EC.02 EPH 15M25				15	38	M25x1.5	M25x1.5	15	46	46	21
02 M	EC.02 MSH 14PG21	-AL	-PS	-PIS	EC.02 MPH 14PG21	-AL	-PS	-PIS	14	38	PG21	PG21	13	46	46	-
	EC.02 MSH 14M25				EC.02 MPH 14M25				14	38	M25x1.5	M25x1.5	13	46	46	-
	EC.02 MSH 14N26				EC.02 MPH 14N26				14	38	NPT 3/4	NPT 3/4	13	46	46	-
03 S	EC.03 SSH 10PG36	-AL	-PS	-PIS	EC.03 SPH 10PG36	-AL	-PS	-PIS	10	52	PG36	PG36	13	60	60	-
	EC.03 SSH 10M45				EC.03 SPH 10M45				10	52	M45x1.5	M45x1.5	13	60	60	-
	EC.03 SSH 10N33				EC.03 SPH 10N33				10	52	NPT 1	NPT 1	13	60	60	-
	EC.03 SSH 14PG36				EC.03 SPH 14PG36				14	52	PG36	PG36	13	60	60	-
	EC.03 SSH 14M45				EC.03 SPH 14M45				14	52	M45x1.5	M45x1.5	13	60	60	-
	EC.03 SSH 14N33				EC.03 SPH 14N33				14	52	NPT 1	NPT 1	13	60	60	-
03 E	EC.03 ESH 15PG29/21	-AL	-PS	-PIS	EC.03 EPH 15PG29/21	-AL	-PS	-PIS	15	52	PG29	PG21	18	58	65	31
	EC.03 ESH 15PG21				EC.03 EPH 15PG21				15	52	PG21	PG21	18	58	65	31
03 M	EC.03 MSH 10M25	-AL	-PS	-PIS	EC.03 MPH 10M25	-AL	-PS	-PIS	10	52	M25x1.5	M25x1.5	37	60	60	-
	EC.03 MSH 10M32				EC.03 MPH 10M32				10	52	M32x1.5	M32x1.5	37	60	60	-
	EC.03 MSH 10N33				EC.03 MPH 10N33				10	52	NPT 1	NPT 1	37	60	60	-
04 S	EC.04 SSH 14PG42	-AL	-PS	-PIS	EC.04 SPH 14PG42	-AL	-PS	-PIS	14	72	PG42	PG42	37	75	75	-
	EC.04 SSH 14M50				EC.04 SPH 14M50				14	72	M50x1.5	M50x1.5	37	75	75	-
	EC.04 SSH 20PG42				EC.04 SPH 20PG42				20	72	PG42	PG42	37	75	75	-
	EC.04 SSH 20M50				EC.04 SPH 20M50				20	72	M50x1.5	M50x1.5	37	75	75	-
04 M	EC.04 MSH 15PG42	-AL	-PS	-PIS	EC.04 MPH 15PG42	-AL	-PS	-PIS	15	72	PG42	PG42	18	75	75	-
	EC.04 MSH 15M50				EC.04 MPH 15M50				15	72	M50x1.5	M50x1.5	18	75	75	-

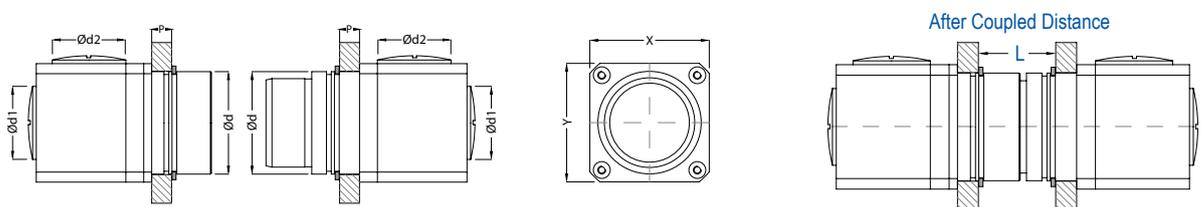
S type



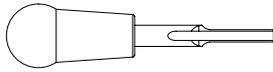
E type



M type

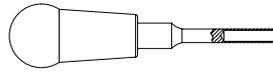


**Assembling Tool
Socket and Pin**



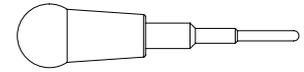
Order No	Conductor Size Ø
EC-SPAT015	1.5
EC-SPAT020	2.0
EC-SPAT030	3.0
EC-SPAT050	5.0
EC-SPAT060	6.0
EC-SPAT080	8.0
EC-SPAT110	11.0

**Disassembling Tool
Pin Tool**



Order No	Conductor Size Ø
EC-PDT015	1.5
EC-PDT020	2.0
EC-PDT030	3.0
EC-PDT050	5.0
EC-PDT060	6.0
EC-PDT080	8.0
EC-PDT110	11.0

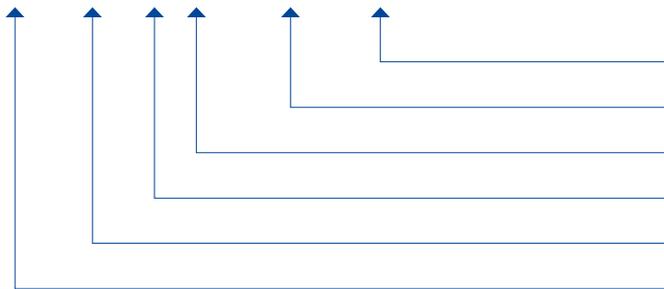
Socket Tool



Order No	Conductor Size Ø
EC-SDT015	1.5
EC-SDT020	2.0
EC-SDT030	3.0
EC-SDT050	5.0
EC-SDT060	6.0
EC-SDT080	8.0
EC-SDT110	11.0

Article number structure for housing :

EC.03 SSH 10PG36



- Thread Type and Size (PG = Panzergewinde / N = NPT / M = Metric)
- Docking Plate Thickness (10 = 10mm / 14 = 14 mm / 15 = 15mm)
- SH = Socket Housing / PH = Pin Housing
- S = S type / E = Etype / M = Mtype
- 02 / 03 / 04 = Connector Size
- EC = Electrical Connector

