

CONNECTORS

AGRICULTURAL & CONSTRUCTION MACHINES

CONEC[®]

TECHNOLOGY IN CONNECTORS[™]





TECHNOLOGY IN CONNECTORS™

For more than 40 years, CONEC Elektronische Bauelemente GmbH has been developing, producing and marketing high-quality connectors, patch cable and single ended cable as well as enclosure technology.

CONEC products are used in automation, telecommunications and energy technology, machine manufacturing, agriculture and medical technology, transportation and the aviation industry.

The headquarters in Lippstadt has a large research and development department, its own tool-making department, a CNC-turning department and a synthetics injection moulding plant.

As part of the Amphenol Group, CONEC participates in the growth and development opportunities of a globally active group and at the same time acts flexibly and quickly as a medium-sized company in order to optimally adapt to changing customer needs.

CONEC Germany, Lippstadt



CONEC Canada, Brampton



CONEC USA, Garner





In addition to a variety of connectors for all current standards, our particular strength is the integrated moulding of components and assemblies and the development of customized solutions.

CONEC is a global player with its own subsidiaries and/or production sites in Canada, the USA, China, the Czech Republic, Poland and France.

The company's quality management ensures high quality by applying the international standards DIN EN ISO 9001. Depending on the product family, CONEC industrial connectors are tested and approved in accordance with UL, CSA or VDE.



SECTION 1	ISOBUS CONNECTORS	
	Nomenclature	8
	Product specification	9
	ISOBUS connectors overmoulded, female, open end cable	10
	ISOBUS connectors overmoulded, male, open end cable	11
	ISOBUS connectors overmoulded, connecting cable	12
	ISOBUS connectors overmoulded, accessories	13
SECTION 2	VALVE CONNECTORS DT-SERIES	
	Nomenclature	16
	Product specification	17
	DT06, 2-pos.	18
	DT04, 2-pos.	24
	DT06, 3-pos.	27
	DT04, 3-pos.	29
	DT06, 4-pos.	30
	DT04, 4-pos.	32
	DT06, 6-pos.	34
	DT04, 6-pos.	36
	DT06, 8-pos.	38
	DT04, 8-pos.	40
	DT06, 12-pos.	42
	DT04, 12-pos.	43
SECTION 3	VALVE CONNECTORS SUPERSEAL-SERIES	
	Nomenclature	46
	Product specification	47
	VSS 1.5, 2-pos.	48
	VSS 1.5, 3-pos.	50
	VSS 1.5, 4-pos.	52
	VSS 1.5, 5-pos.	53
	VSS 1.5, 6-pos.	54
SECTION 4	VALVE CONNECTORS CPC-SERIES	
	Nomenclature	58
	Product specification	59
	CPC series 1/Size 13, 9-pos.	60
	CPC series 1/Size 13, 7-pos.	62
	CPC series 3/Size 17, 3-pos.	64

SECTION 5

M12x1 CONNECTORS OVERMOULDED

WITH PLASTIC COUPLING SCREW/NUT

Nomenclature

Product specification

Female connector axial, angled, with colored plastic coupling nut

Male connector axial, angled, with colored plastic coupling screw

Female connector axial, angled, with plastic nut black

Male connector axial, angled, with plastic screw black

SECTION 6

JUNCTION SYSTEM TYPE S, M, L

Fields of application

Overview

Example Type S, Type M

Example Type L

SECTION 7

TECHNICAL INFORMATIONEN

Protection circuits

Cable qualities

Overview pin assignment

Protection classes

Electrotechnical information

SECTION 8

ADDITIONAL PRODUCT CATEGORIES

CONEC Hybrid connectors/Connectors overmoulded

Connectors field attachable/Sockets

Sockets SMT/THR/ Panel plugs

Power connectors/HT, F&B connectors

BUS-Systems/Junction systems

IP67 Power Bayonet/IP67 Mini USB, USB

IP67 RJ45/IP67 Fiber Optic LC Duplex

D-SUB connectors/D-SUB filter connectors

D-SUB hoods/IP67 D-SUB connectors

IP67 D-SUB filter connectors/IP67 D-SUB hoods

PCB connectors/Customized products

PART NUMBER INDEX

SECTION 1

ISOBUS CONNECTORS





ISOBUS CONNECTORS

Nomenclature

	EJ	-		-	9	-	S	-	L1	-	W	/	600P	/	2m
Type / Housing EJ = for socket contacts HD34 = for plug contacts JPT = for socket contacts HDC36= Protection cap															
Size = at EJ and JPT 24 = HD + HDC															
Number of poles 9 = EJ 91 = HD 16 = JPT															
Type S = Socket P = Plug															
Version (only EJ-series) = without landing plate L1 = with landing plate round L2 = with landing plate with flats															
Corrugated tube (only EJ- and HD-series) = without corrugated tube W = with corrugated tube															
Cable 600P = Hybride ((4Li9Y 0,50) + 2LiY2,50 + 2LiY6,00), TPU, black 1000P = Hybride ((4Li9Y 0,50) + 2LiY2,50 + 2LiY6,00), TPU, black 1600P = Hybride ((4Li9Y 0,50) + 2LiY2,50 + 2LiY16,00), TPU, black															
Cable length 2 m = 2 meter 5 m = 5 meter 10 m = 10 meter															
Connecting-cables 6 m = 6 meter 9 m = 9 meter 12 m = 12 meter															

ISOBUS CONNECTORS

Product specification

Basic material	
Contact	Copper alloy
Contact plating	EJ and HD: Ni / JPT: Sn
Contact carrier	EJ: PA6.6 / HD: Aluminium/Thermoplast / JPT: PBT ASA GF30
Overmould	TPU, UL94 V-0, black
Landing plate (EJ)	PA6.6 UL94 V-0, black
Protective cover	EJ: PA6.6 UL94 V-0, black / HDC: Aluminium
Corrugated tube	PA6 UL94 HB, black
Sealing	Silicone
Technical Data	
Rated voltage	EJ and JPT: max. 12 V DC / HD: max. 32 V DC
Current rating	max.: 600P altern. 1000P altern. 1600P: 25 A at 40 °C [6 mm ²] altern. 35 A at 40 °C [10 mm ²] altern. 60 A at 40 °C [16 mm ²] 15 A at 40 °C [2,5 mm ²] 5 A at 40 °C [0,5 mm ²]
Degree of protection	IP67 / IP69K in mated condition
Temperature range connectors	EJ / HD: -40 °C to +85 °C / JPT: -40 °C to +80 °C
Temperature range cable	Fixed installation: -40 °C to +85 °C Flexible installation: -20 °C to +85 °C
Terminal cross section	600P altern. 1000 altern. 1600P: 2 x 6 mm ² altern. 2 x 10 mm ² altern. 2 x 16 mm ² 2 x 2,5 mm ² + 4 x 0,5 mm ²
Housing	EJ / HD34 / JPT

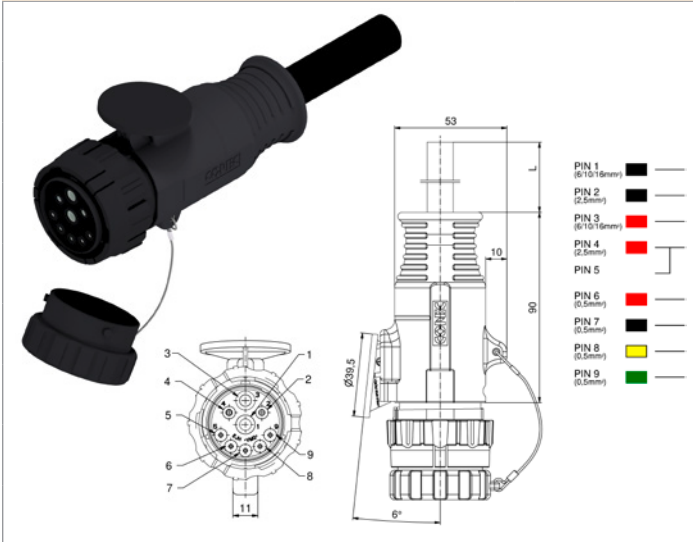
ISOBUS CONNECTORS OVERMOULDED Open end cable

Female connector EJ

Power: 2 x 6 mm² [25 A / 600P] altern.
2 x 10 mm² [35 A / 1000P] altern.
2 x 16 mm² [60 A / 1600P] +
ECU Power: 2 x 2.5 mm² [15 A] +
CAN Bus: 4 x 0.5 mm² [5 A]

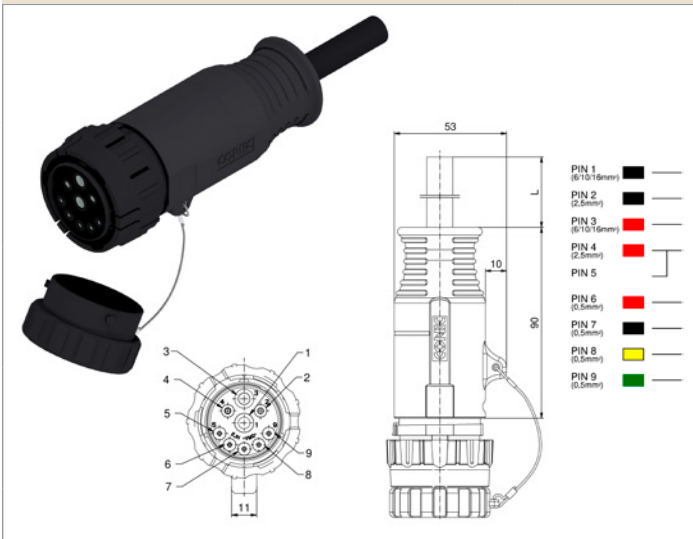
PUR hybrid cable

Contact assignment



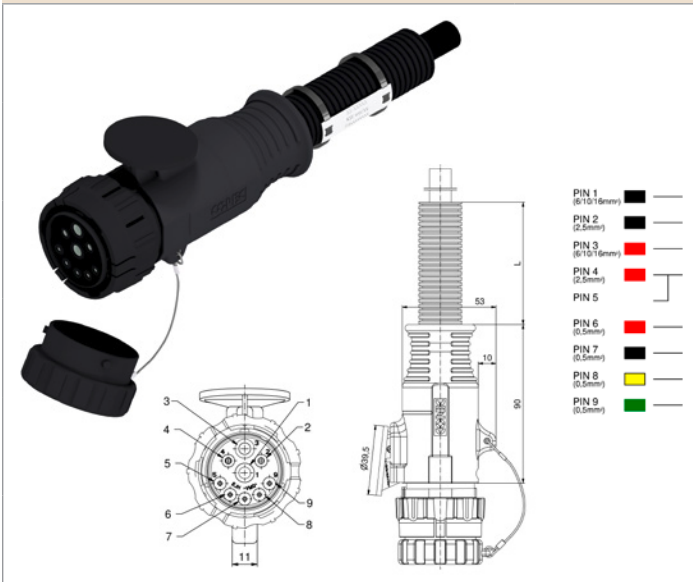
No.	Rated voltage	Current rating	Cable length	Wire cross section	Landing plate	Description	Part No.
9	max. 12 V DC	600P	2	2x6 2x2.5 4x0.5	✓	EJ-9-S-L1/600P/2m	55-10058
			5			EJ-9-S-L1/600P/5m	55-10059
			10			EJ-9-S-L1/600P/10m	55-10060
		1000P	2	2x10 2x2.5 4x0.5		EJ-9-S-L1/1000P/2m	55-10064
			5			EJ-9-S-L1/1000P/5m	55-10065
			10			EJ-9-S-L1/1000P/10m	55-10066
		1600P	2	2x16 2x2.5 4x0.5		EJ-9-S-L1/1600P/2m	55-10070
			5			EJ-9-S-L1/1600P/5m	55-10071
			10			EJ-9-S-L1/1600P/10m	55-10072

PUR hybrid cable



9	max. 12 V DC	600P	2	2x6 2x2.5 4x0.5		EJ-9-S/600P/2m	55-10061				
			5			EJ-9-S/600P/5m	55-10062				
			10			EJ-9-S/600P/10m	55-10063				
		1000P	2			2x10 2x2.5 4x0.5		EJ-9-S/1000P/2m	55-10067		
			5					EJ-9-S/1000P/5m	55-10068		
			10					EJ-9-S/1000P/10m	55-10069		
		1600P	2					2x16 2x2.5 4x0.5		EJ-9-S/1600P/2m	55-10073
			5							EJ-9-S/1600P/5m	55-10074
			10							EJ-9-S/1600P/10m	55-10075

PUR hybrid cable with corrugated tube



9	max. 12 V DC	600P	2	✓	EJ-9-S-L1-W/600P/2m	55-10100
			5		EJ-9-S-L1-W/600P/5m	55-10101
			10		EJ-9-S-L1-W/600P/10m	55-10102
		1000P	2		EJ-9-S-L1-W/1000P/2m	55-10113
			5		EJ-9-S-L1-W/1000P/5m	55-10114
			10		EJ-9-S-L1-W/1000P/10m	55-10115

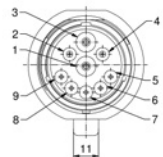
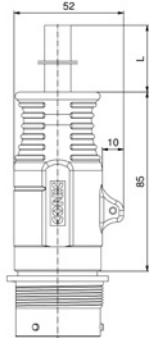
ISOBUS CONNECTORS OVERMOULDED Open end cable

Male connector HD

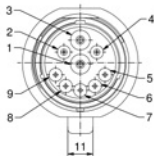
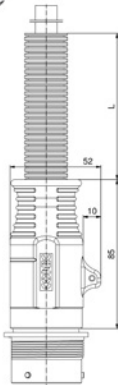
Power: 2 x 6 mm² [25 A / 600P] altern.
2 x 10 mm² [35 A / 1000P] altern.
2 x 16 mm² [60 A / 1600P] +
ECU Power: 2 x 2.5 mm² [15 A] +
CAN Bus: 4 x 0.5 mm² [5 A]

PUR hybrid cable

Contact assignment

   PIN 1 (6/10 mm²) PIN 2 (2.5 mm²) PIN 3 (6/10 mm²) PIN 4 (2.5 mm²) PIN 5 n. c. PIN 6 (0.5 mm²) PIN 7 (0.5 mm²) PIN 8 (0.5 mm²) PIN 9 (0.5 mm²)	9	max. 32 V DC	600P	2	2x6 2x2.5 4x0.5	HD34-24-91-P/ 600P/2m	55-10118
				5		HD34-24-91-P/ 600P/5m	55-10119
				10		HD34-24-91-P/ 600P/10m	55-10120
			1000P	2	2x10 2x2.5 4x0.5	HD34-24-91-P/ 1000P/2m	55-10121
				5		HD34-24-91-P/ 1000P/5m	55-10122
				10		HD34-24-91-P/ 1000P/10m	55-10123

PUR hybrid cable with corrugated tube

   PIN 1 (6/10 mm²)  PIN 2 (2.5 mm²)  PIN 3 (6/10 mm²)  PIN 4 (2.5 mm²)  PIN 5 n. c. PIN 6 (0.5 mm²)  PIN 7 (0.5 mm²)  PIN 8 (0.5 mm²)  PIN 9 (0.5 mm²) 	9	max. 32 V DC	600P	2	2x6 2x2.5 4x0.5		HD34-24-91-P-W/ 600P/2m	55-10124
	5			HD34-24-91-P-W/ 600P/5m			55-10125	
	10			HD34-24-91-P-W/ 600P/10m			55-10126	
	1000P		2	2x10 2x2.5 4x0.5		HD34-24-91-P-W/ 1000P/2m	55-10127	
			5			HD34-24-91-P-W/ 1000P/5m	55-10128	
			10			HD34-24-91-P-W/ 1000P/10m	55-10129	

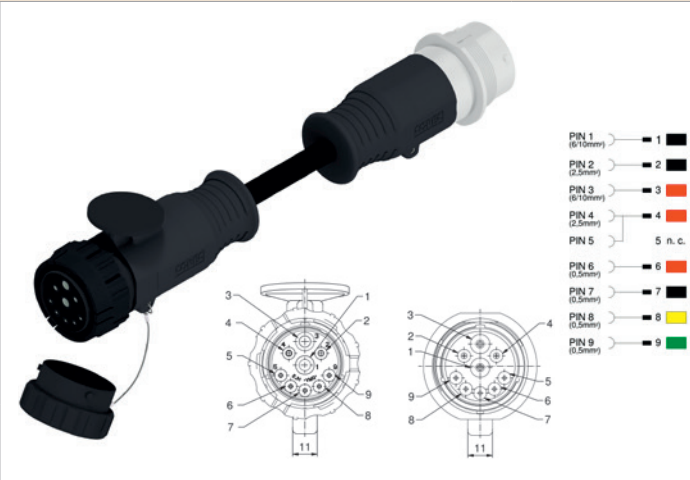
ISOBUS CONNECTORS OVERMOULDED

Connecting cable

Female connector EJ
Male connector HD

PUR hybrid cable

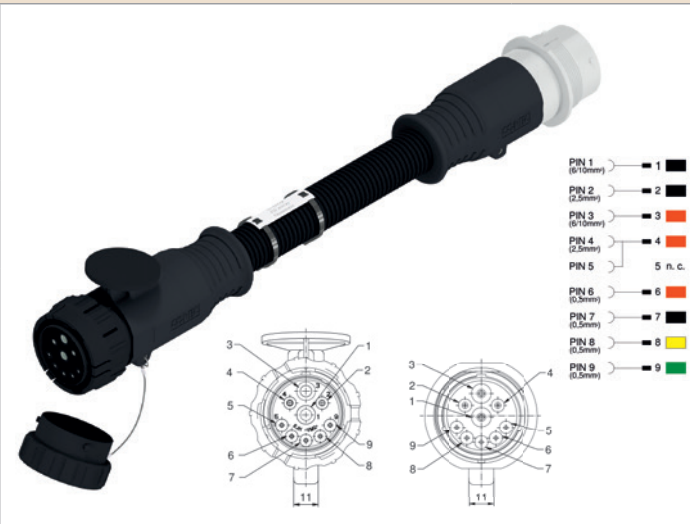
Contact assignment



No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Wire cross section [mm²]	Landing plate	Description	Part No.
9	max. 12 V DC	600P	6	2x6 2x2.5 4x0.5	✓ *	EJ-9-S-L1-HD34-24-91-P/ 600P/6m	55-10130
			9			EJ-9-S-L1-HD34-24-91-P/ 600P/9m	55-10131
			12			EJ-9-S-L1-HD34-24-91-P/ 600P/12m	55-10132
		1000P	6	2x10 2x2.5 4x0.5	✓ *	EJ-9-S-L1-HD34-24-91-P/ 1000P/6m	55-10133
			9			EJ-9-S-L1-HD34-24-91-P/ 1000P/9m	55-10134
			12			EJ-9-S-L1-HD34-24-91-P/ 1000P/12m	55-10135

Power: 2 x 6 mm² [25 A / 600P] altern.
2 x 10 mm² [35 A / 1000P] altern.
2 x 16 mm² [60 A / 1600P] +
ECU Power: 2 x 2.5 mm² [15 A] +
CAN Bus: 4 x 0.5 mm² [5 A]
* Landeplatte nur Buchsenstecker

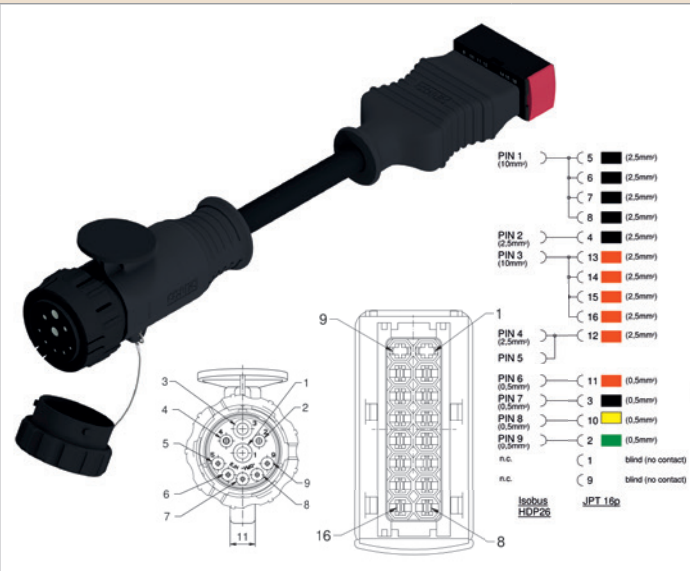
PUR hybrid cable with corrugated tube



9	max. 12 V DC	600P	6	2x10 2x2.5 4x0.5	✓ *	EJ-9-S-L1-HD34-24-91-P-W/ 600P/6m	55-10136
			9			EJ-9-S-L1-HD34-24-91-P-W/ 600P/9m	55-10137
			12			EJ-9-S-L1-HD34-24-91-P-W/ 600P/12m	55-10138
		1000P	6	2x10 2x2.5 4x0.5	✓ *	EJ-9-S-L1-HD34-24-91-P-W/ 1000P/6m	55-10139
			9			EJ-9-S-L1-HD34-24-91-P-W/ 1000P/9m	55-10140
			12			EJ-9-S-L1-HD34-24-91-P-W/ 1000P/12m	55-10141

Female connector EJ
Female connector JPT

PUR hybrid cable



9 / 16	max. 12 V DC	1000P	6	2x10 2x2.5 4x0.5	✓ *	EJ-9-S-L1-JPT-16-S/1000P/6m	55-10076
			9			EJ-9-S-L1-JPT-16-S/1000P/9m	55-10077
			12			EJ-9-S-L1-JPT-16-S/1000P/12m	55-10078

ISOBUS CONNECTORS OVERMOULDED
Accessories

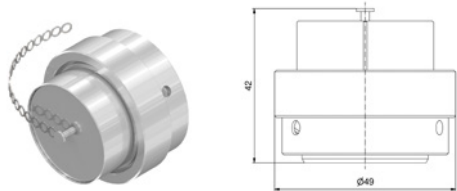
Dust cap HDC, Aluminium
IP20

for Male connector HD

Contact assignment

Description

Part No.



HDC36-24

55-10142

SECTION 2

VALVE CONNECTORS DT-SERIES





VALVE CONNECTORS DT-SERIES

Nomenclature

	Y	DT06	-	2	S	L		-	A	-	03	/	K1	/	0.75	/	2m	-	K1...
Form Y= Y-Splitter																			
Type / Housing DT06 = for socket contacts DT04 = for plug contacts																			
No. of pos 2 = 2-pos. 3 = 3-pos. 4 = 4-pos. 6 = 6-pos. 8A = 8-pos. A-coding 12A = 12-pos. A-coding other codings upon request																			
Type S = Socket contacts/Plug housing P = Plug contacts/Receptacle housing																			
Cable style = cable L = Single wire (only 2-pos. version)																			
Termination protection hose = Standard G = Thread M12x1																			
Protection circuit A = without protection circuit B = with protection circuit Suppressor diode max. 12 V AC/24 V DC E = with protection circuit Varistor max. 24 V AC/30 V DC F = with protection circuit Freewheeling diode max. 32 V DC G = with protection circuit Suppressor diode max. 22 V AC/32 V DC																			
Colour Overmoulding = Black (without LED-protection circuit); translucent (withLED-protection circuit) 03 = Blue 04 = Green 05 = Yellow 06 = Red 07 = White																			
Material cable K1 = TPU, black, highflexible, halogenfree, UL A1 = PVC single wire AS = Termination cap (without contacts) other types upon request *with circuit upon request																			
Wire cross section 0.75 = 0,75 mm ²																			
Cable length 2 m = 2 meter 5 m = 5 meter 10 m = 10 meter																			
Description outlet 2 [Y-Splitter/ Double outlet]																			

VALVE CONNECTORS DT-SERIES

Product specification

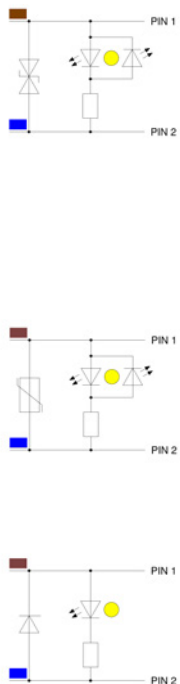
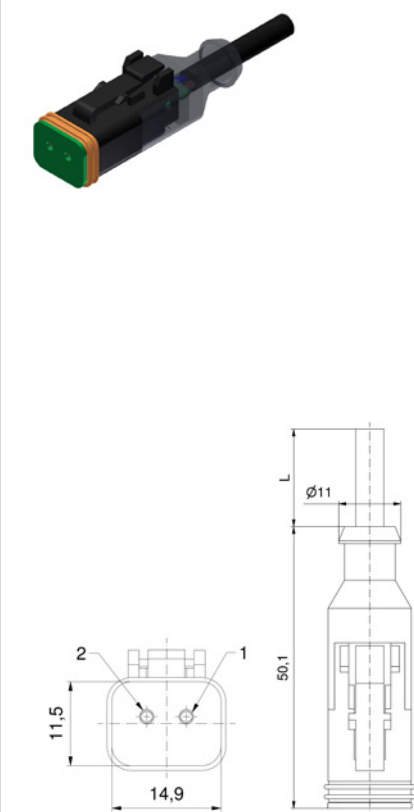
Basic material	
Contact	Copper alloy
Contact plating	Ni
Contact carrier	Thermoplast
Overmould	TPU, UL94
Sealing	Silicone
Technical Data	
Rated voltage	with LED and protection circuit [B]: max. 12 V AC/ 24 V DC with LED and protection circuit [E]: max. 24 V AC/30 V DC with LED and protection circuit [F]: max. 32 V DC with LED and protection circuit [G]: max. 22 V AC/32 V DC without protection circuit: 10 - 230 AC/DC
Current rating	max. 8 A at 40 °C [2-, 3-pos.] 7 A at 40 °C [4-pos.] 6 A at 40 °C [6-, 8-pos.] 5 A at 40 °C [12-pos.]
Degree of protection	IP67 / IP69K in mated condition
Temperature range connectors	-40 °C to +80 °C
Temperature range cable	Fixed installation: -40 °C to +80 °C Flexible installation: -25 °C to +80 °C
Temperature range single wire	Fixed installation -40 °C to +105 °C Flexible installation: -10 °C to +105 °C
Terminal cross section	0,75 mm ² /AWG 18
Housing	Deutsch DT06/DT04
Protection circuit	Suppressor diode + 2 x LED yellow Varistor + 2 x LED yellow Freewheeling diode + LED yellow

Valve connectors DT-Series

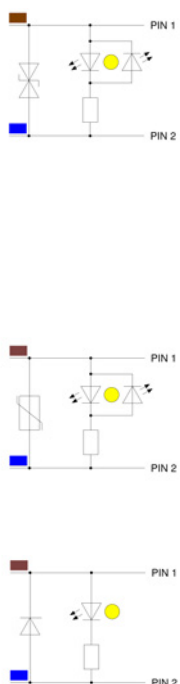
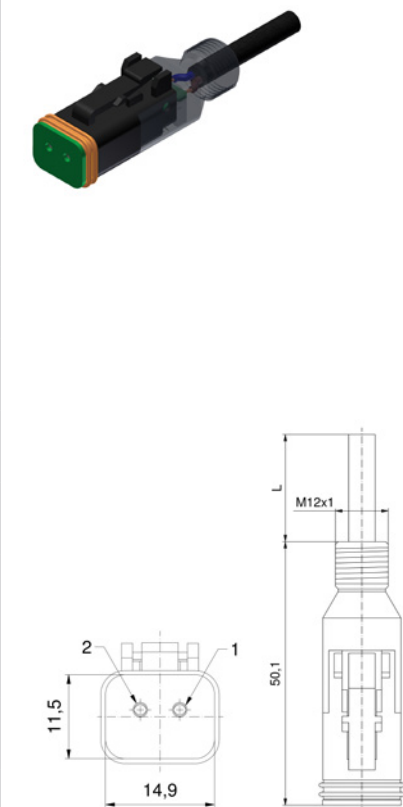
DT06, 2-pos. Socket contacts

LED-protection circuit

Contact assignment



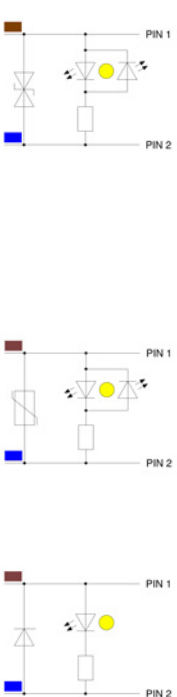
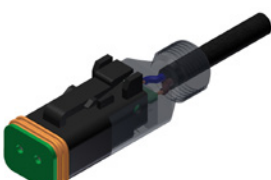
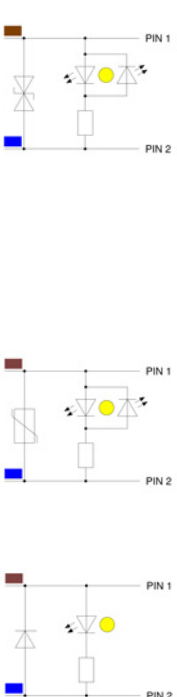
LED-protection circuit, M12 thread



Types of protection circuit DT06 (2-, 3-pos.):

- B/G= Suppressor diode + 2x LED yellow
- E= Varistor + 2x LED yellow
- F= Freewheeling diode + LED yellow

Technical information page 82-83

		No. of poles	Type of protection circuit	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm ²]	Description	Part No.
		2	B	12 V AC / 24 V DC	8	2	PUR	2 x 0.75	DT06-2S-B/K1/0.75/2m	55-00376
					5	5			DT06-2S-B/K1/0.75/5m	55-00377
					10	10			DT06-2S-B/K1/0.75/10m	55-00378
			G	8 - 22 V AC / 32 V DC	2	2			DT06-2S-G/K1/0.75/2m	55-00760
					5	5			DT06-2S-G/K1/0.75/5m	55-00761
					10	10			DT06-2S-G/K1/0.75/10m	55-00762
			E	8 - 24 V AC / 30 V DC	2	2			DT06-2S-E/K1/0.75/2m	55-00687
					5	5			DT06-2S-E/K1/0.75/5m	55-00688
					10	10			DT06-2S-E/K1/0.75/10m	55-00689
			F	10 - 32 V DC	2	2			DT06-2S-F/K1/0.75/2m	55-00690
					5	5			DT06-2S-F/K1/0.75/5m	55-00691
					10	10			DT06-2S-F/K1/0.75/10m	55-00692
		2	B	12 V AC / 24 V DC	8	2	PUR	2 x 0.75	DT06-2SG-B/K1/0.75/2m	55-00379
					5	5			DT06-2SG-B/K1/0.75/5m	55-00380
					10	10			DT06-2SG-B/K1/0.75/10m	55-00381
			G	8 - 22 V AC / 32 V DC	2	2			DT06-2SG-G/K1/0.75/2m	55-00763
					5	5			DT06-2SG-G/K1/0.75/5m	55-00764
					10	10			DT06-2SG-G/K1/0.75/10m	55-00765
			E	8 - 24 V AC / 30 V DC	2	2			DT06-2SG-E/K1/0.75/2m	55-00700
					5	5			DT06-2SG-E/K1/0.75/5m	55-00701
					10	10			DT06-2SG-E/K1/0.75/10m	55-00702
			F	10 - 32 V DC	2	2			DT06-2SG-F/K1/0.75/2m	55-00703
					5	5			DT06-2SG-F/K1/0.75/5m	55-00704
					10	10			DT06-2SG-F/K1/0.75/10m	55-00705

Valve connectors
DT-Series

DT06, 2-pos.
Socket contacts

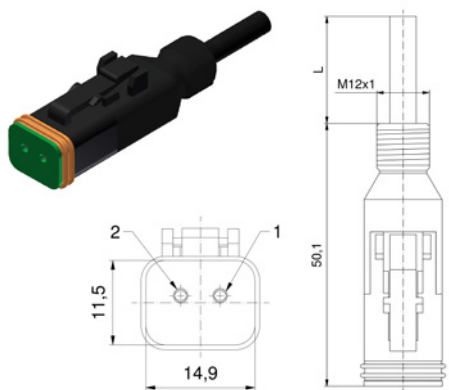
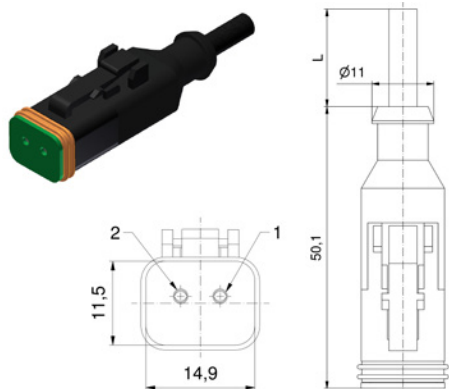
Without LED-protection circuit

Contact assignment

No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
2	10 - 230 V AC/DC	8	2	PUR	2 x 0.75	DT06-2S-A/K1/0.75/2m	55-00388
			5			DT06-2S-A/K1/0.75/5m	55-00389
			10			DT06-2S-A/K1/0.75/10m	55-00390

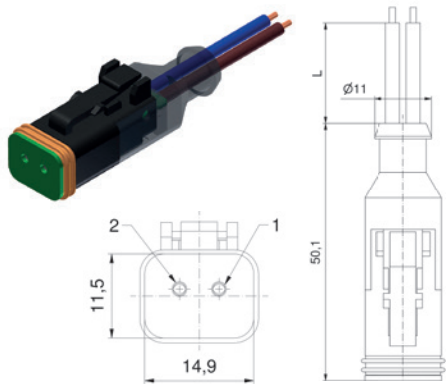
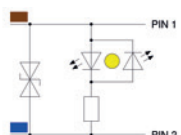
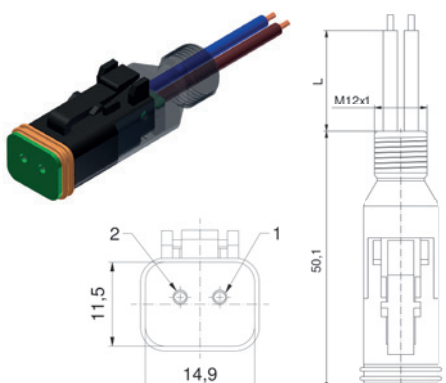
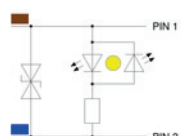
Without LED-protection circuit, M12 thread

2	10 - 230 V AC/DC	8	2	PUR	2 x 0.75	DT06-2SG-A/K1/0.75/2m	55-00391
			5			DT06-2SG-A/K1/0.75/5m	55-00392
			10			DT06-2SG-A/K1/0.75/10m	55-00393



Valve connectors DT-Series

DT06, 2-pos. Socket contacts, single wire

LED-protection circuit		Contact assignment	No.	Type	Rated voltage	Current	Wire	Wire	Wire	Description	Part No.
			2	B	12 V AC / 24 V DC	8	2	PVC	2 x 0.75	DT06-2SL-B/A1/0.75/0,5m	55-00560
										DT06-2SL-B/A1/0.75/2m	55-00482
										DT06-2SL-B/A1/0.75/5m	55-00561
LED-protection circuit, M12 thread											
			2	B	12 V AC / 24 V DC	8	2	PVC	2 x 0.75	DT06-2SLG-B/A1/0.75/0,5m	55-00562
										DT06-2SLG-B/A1/0.75/2m	55-00483
										DT06-2SLG-B/A1/0.75/5m	55-00563

Type of protection circuit DT06 2-pos. single wire:
• B= Suppressor diode + 2x LED yellow
Additional types of protection circuit upon request
Technical information page 82-83

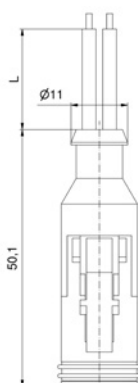
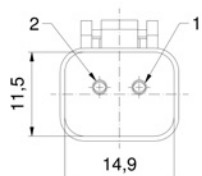
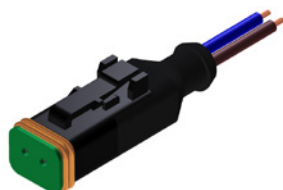
Valve connectors
DT-Series

DT06, 2-pos.
Socket contacts, single wire

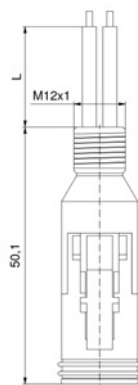
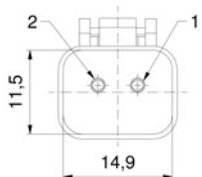
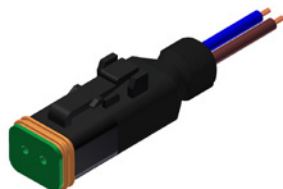
Without LED-protection circuit

Contact assignment

No. of poles	Rated voltage [A]	Current rating [A]	Wire length = L [m]	Wirequality	Wire cross section [mm²]		
						Description	Part No.
2	10 - 230 V AC/DC	8	0.5	PVC	2 x 0.75	DT06-2SL-A/A1/0.75/0,5m	55-00564
			2			DT06-2SL-A/A1/0.75/2m	55-00565
			5			DT06-2SL-A/A1/0.75/5m	55-00566
2	10 - 230 V AC/DC	8	0.5	PVC	2 x 0.75	DT06-2SLG-A/A1/0.75/0,5m	55-00567
			2			DT06-2SLG-A/A1/0.75/2m	55-00568
			5			DT06-2SLG-A/A1/0.75/5m	55-00569



PIN 1
PIN 2



PIN 1
PIN 2

Valve connectors
DT-Series

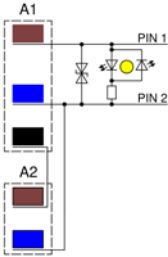
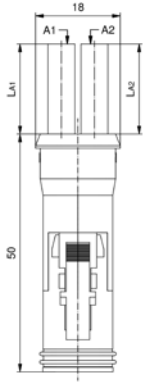
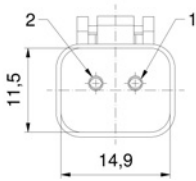
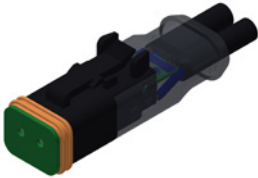
DT06, 2-pos.
Socket contacts, double outlet

Type of protection circuit DT06 2-pos. Double outlet:
• B= Suppressor diode + 2x LED yellow
Additional types of protection circuit upon request
Technical information page 82-83

Without LED-protection circuit

Contact assignment

No. of poles	Type of protection circuit	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
2	B	12 V AC / 24 V DC	8	10	PUR	2 x 2 x 0.75	YDT06-2S-B/K1/0.75/ 1m-K1/0.75/1m	55-01406

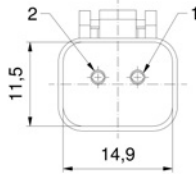
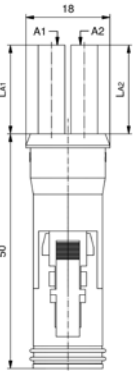


Valve connectors
DT-Series

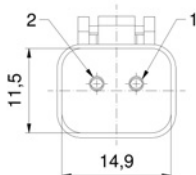
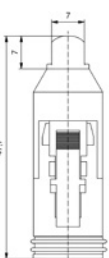
DT06, 2-pos.
Socket contacts, double outlet

Without LED-protection circuit

Contact assignment

	No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
   	2	10 - 230 V AC/DC	8	1	PUR	2 x 2 x 0.75	YDT06-2S-A/K1/0.75/ 1m-K1/0.75/1m	55-01153

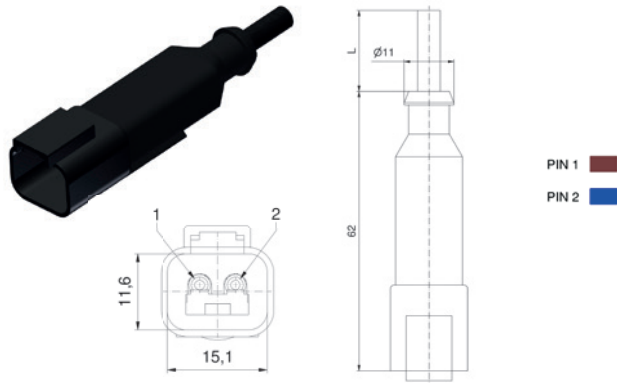
DT06, 2-pos.
Termination cap

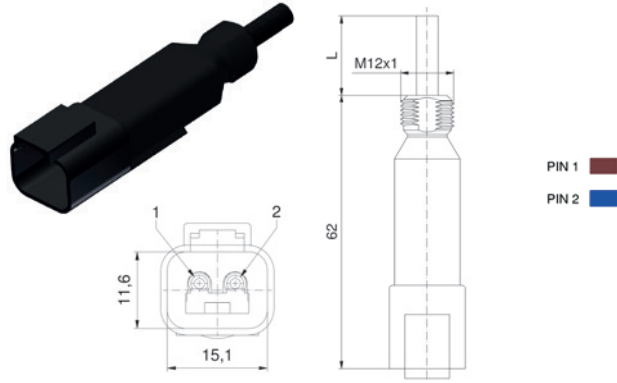
  	2						DT06-2S-A/AS	55-01296
---	---	--	--	--	--	--	--------------	----------

Valve connectors
DT-Series

DT04, 2-pos.
Plug contacts

Protection circuits DT04 (2-, 3-pos.) upon request
Technical information page 82-83

Without LED-protection circuit		Contact assignment	No.	Rated voltage	Current	Cable	Cable	Wire	Description	Part No.
	2	10 - 230 V AC/DC	8	5	PUR	2 x 0.75	DT04-2P-A/K1/0.75/2m	55-00448		
							DT04-2P-A/K1/0.75/5m	55-00449		
							DT04-2P-A/K1/0.75/10m	55-00450		

Without LED-protection circuit, M12 thread										
	2	10 - 230 V AC/DC	8	5	PUR	2 x 0.75	DT04-2PG-A/K1/0.75/2m	55-00451		
							DT04-2PG-A/K1/0.75/5m	55-00452		
							DT04-2PG-A/K1/0.75/10m	55-00453		

Valve connectors
DT-Series

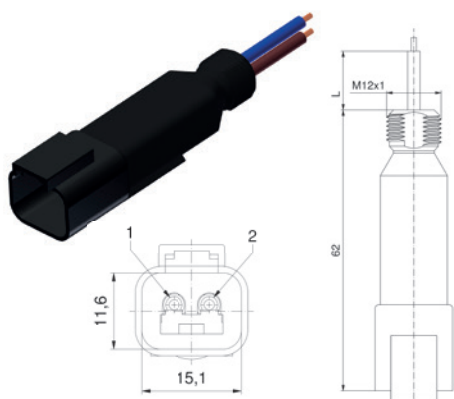
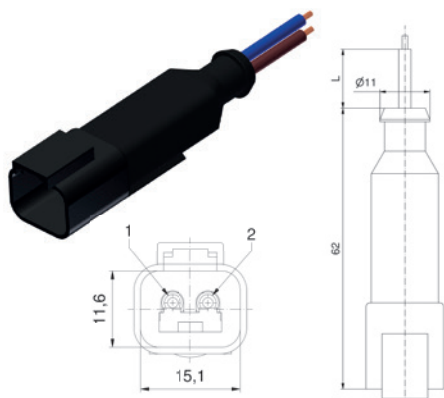
DT04, 2-pos.
Plug contacts, single wire

Protection circuits DT04 (2-, 3-pos.) upon request
Technical information page 82-83

Without LED-protection circuit

Contact assignment

No. of poles	Rated voltage [A]	Current rating [A]	Wire length = L [m]	Wire quality	Wire cross section [mm ²]	Protection circuits DT04 (2-, 3-pos.) upon request Technical information page 82-83	
						Description	Part No.
2	10 - 230 V AC/DC	8	0.5	PVC	2 x 0.75	DT04-2PL-A/A1/0.75/0,5m	55-00576
			2			DT04-2PL-A/A1/0.75/2m	55-00577
			5			DT04-2PL-A/A1/0.75/5m	55-00578
2	10 - 230 V AC/DC	8	0.5	PVC	2 x 0.75	DT04-2PLG-A/A1/0.75/0,5m	55-00579
			2			DT04-2PLG-A/A1/0.75/2m	55-00580
			5			DT04-2PLG-A/A1/0.75/5m	55-00581



DT04, 2-pos.
Plug contacts, double outlet

DT04, 2-pos.
Termination cap

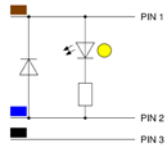
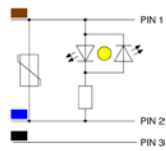
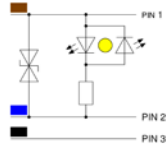
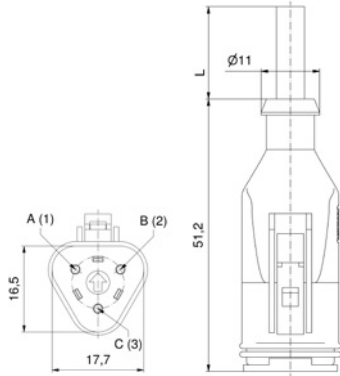
26 CONEC®

Valve connectors DT-Series

DT06, 3-pos. Socket contacts

LED-protection circuit

Contact assignment



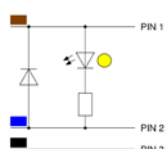
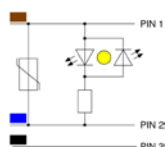
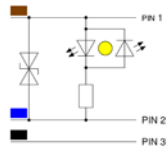
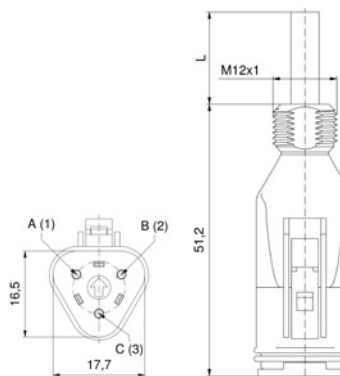
No. of poles	Type of protection circuit	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm ²]	Description	Part No.
3	B	12 V AC / 24 V DC	8	2	PUR	3 x 0.75	DT06-3S-B/K1/0.75/2m	55-00850
				5			DT06-3S-B/K1/0.75/5m	55-00851
				10			DT06-3S-B/K1/0.75/10m	55-00852
	C	8 - 22 V AC / 32 V DC		2			DT06-3S-G/K1/0.75/2m	55-00772
				5			DT06-3S-G/K1/0.75/5m	55-00773
				10			DT06-3S-G/K1/0.75/10m	55-00774
	E	8 - 24 V AC / 30 V DC	4	2			DT06-3S-E/K1/0.75/2m	55-00720
				5			DT06-3S-E/K1/0.75/5m	55-00721
				10			DT06-3S-E/K1/0.75/10m	55-00722
	F	10 - 32 V DC		2			DT06-3S-F/K1/0.75/2m	55-00751
				5			DT06-3S-F/K1/0.75/5m	55-00752
				10			DT06-3S-F/K1/0.75/10m	55-00753

Types of protection circuit DT06 (2-, 3-pos.):

- B/G= Suppressor diode + 2x LED yellow
- E= Varistor + 2x LED yellow
- F= Freewheeling diode + LED yellow

Technical information page 82-83

LED-protection circuit, M12 thread



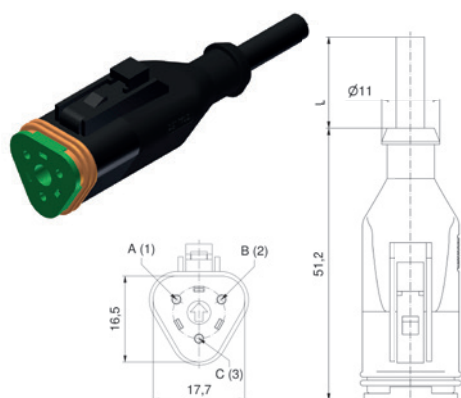
3	B	12 V AC / 24 V DC	8	2	PUR	3 x 0.75	DT06-3SG-B/K1/0.75/2m	55-00853
				5			DT06-3SG-B/K1/0.75/5m	55-00854
				10			DT06-3SG-B/K1/0.75/10m	55-00855
	C	8 - 22 V AC / 32 V DC		2			DT06-3SG-G/K1/0.75/2m	55-00775
				5			DT06-3SG-G/K1/0.75/5m	55-00776
				10			DT06-3SG-G/K1/0.75/10m	55-00777
	E	8 - 24 V AC / 30 V DC	4	2			DT06-3SG-E/K1/0.75/2m	55-00723
				5			DT06-3SG-E/K1/0.75/5m	55-00724
				10			DT06-3SG-E/K1/0.75/10m	55-00725
	F	10 - 32 V DC		2			DT06-3SG-F/K1/0.75/2m	55-00754
				5			DT06-3SG-F/K1/0.75/5m	55-00755
				10			DT06-3SG-F/K1/0.75/10m	55-00756

Valve connectors DT-Series

DT06, 3-pos. Socket contacts

Without LED-protection circuit

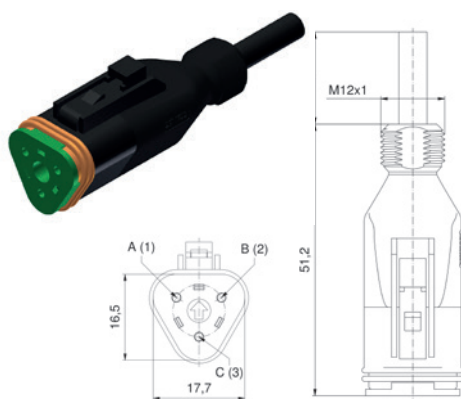
Contact assignment



PIN 1
PIN 2
PIN 3

No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
3	10 - 230 V AC/DC	8	2	PUR	3 x 0.75	DT06-3S-A/K1/0.75/2m	55-00826
			5			DT06-3S-A/K1/0.75/5m	55-00827
			10			DT06-3S-A/K1/0.75/10m	55-00828

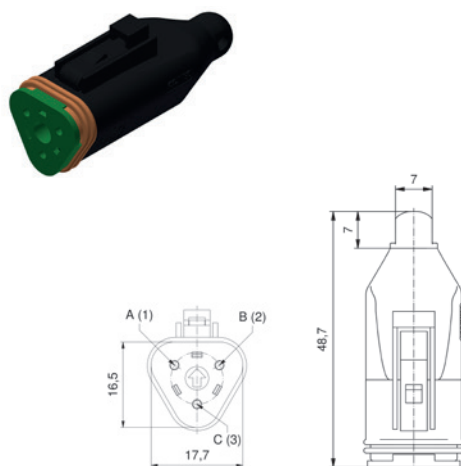
Without LED-protection circuit, M12 thread



PIN 1
PIN 2
PIN 3

3	10 - 230 V AC/DC	8	2	PUR	3 x 0.75	DT06-3SG-A/K1/0.75/2m	55-00829
			5			DT06-3SG-A/K1/0.75/5m	55-00830
			10			DT06-3SG-A/K1/0.75/10m	55-00831

DT06, 3-pos. Termination cap

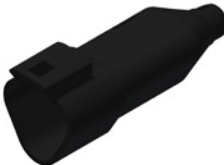
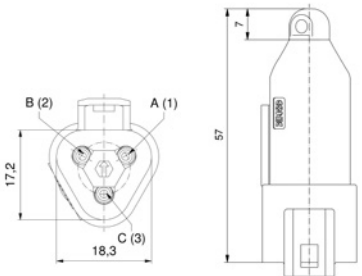


3						DT06-3S-A/AS	55-01356
---	--	--	--	--	--	--------------	----------

DT04, 3-pos.
Plug contacts

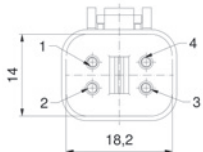
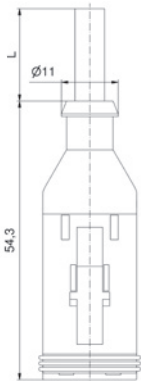
Protection circuits DT04 (2-, 3-pos.) upon request
Technical information page 82-83

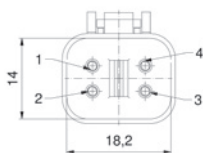
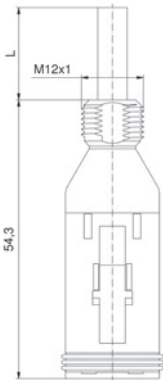
DT04, 3-pos.
Termination cap

  Technical drawing showing dimensions: 17.2, 18.3, 57, and callouts A (1), B (2), C (3).	3				DT04-3P-A/AS	55-01357
--	---	--	--	--	--------------	----------

Valve connectors
DT-Series

DT06, 4-pos.
Socket contacts

Without LED-protection circuit		Contact assignment	No.	Rated voltage	Current	Cable	Cable	Wire	Description	Part No.
   PIN 1 PIN 2 PIN 3 PIN 4	4	10 - 230 V AC/DC	7	5	PUR	4 x 0.75	DT06-4S-A/K1/0.75/2m	55-00838		
							DT06-4S-A/K1/0.75/5m	55-00839		
							DT06-4S-A/K1/0.75/10m	55-00840		

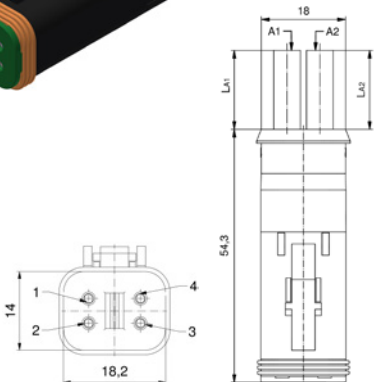
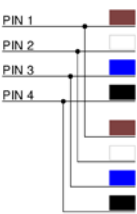
Without LED-protection circuit, M12 thread										
   PIN 1 PIN 2 PIN 3 PIN 4	4	10 - 230 V AC/DC	7	5	PUR	4 x 0.75	DT06-4SG-A/K1/0.75/2m	55-00841		
							DT06-4SG-A/K1/0.75/5m	55-00842		
							DT06-4SG-A/K1/0.75/10m	55-00843		

Valve connectors
DT-Series

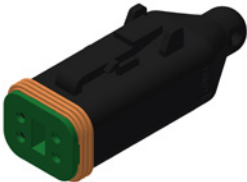
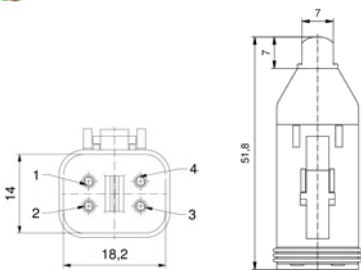
DT06, 4-pos.
Socket contacts, double outlet

Without LED-protection circuit

Contact assignment

	No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
  	4	10 - 230 V AC/ DC	7	1	PUR	2 x 4 x 0.75	YDT06-4S-A/K1/0.75/ 1m-K1/0.75/1m	55-01155

DT06, 4-pos.
Termination cap

	No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
 	4						DT06-4S-A/ AS	55-01358

Valve connectors
DT-Series

DT04, 4-pos.
Plug contacts

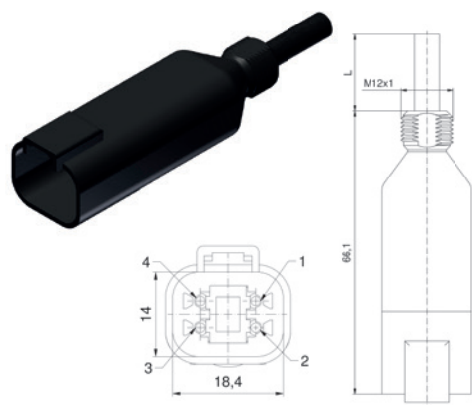
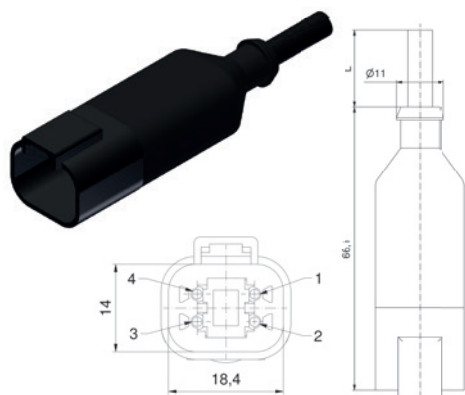
Without LED-protection circuit

Contact assignment

No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
4	10 - 230 V AC/DC	7	2	PUR	4 x 0.75	DT04-4P-A/K1/0.75/2m	55-00844
			5			DT04-4P-A/K1/0.75/5m	55-00845
			10			DT04-4P-A/K1/0.75/10m	55-00846

Without LED-protection circuit, M12 thread

4	10 - 230 V AC/DC	7	2	PUR	4 x 0.75	DT04-4PG-A/K1/0.75/2m	55-00847
			5			DT04-4PG-A/K1/0.75/5m	55-00848
			10			DT04-4PG-A/K1/0.75/10m	55-00849

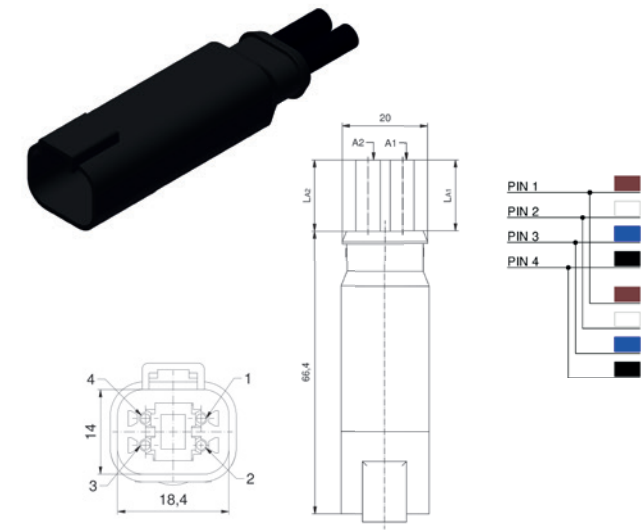


Valve connectors
DT-Series

DT04, 4-pos.
Plug contacts, double outlet

Without LED-protection circuit

Contact assignment



No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
4	10 - 230 V AC/DC	7	1	PUR	2 x 4 x 0.75	YDT04-4P-A/K1/0.75/ 1m-K1/0.75/1m	55-01320

DT04, 4-pos.
Termination cap

	4					DT04-4P-A/AS	55-01359
--	---	--	--	--	--	--------------	----------

Valve connectors
DT-Series

DT06, 6-pos.
Socket contacts

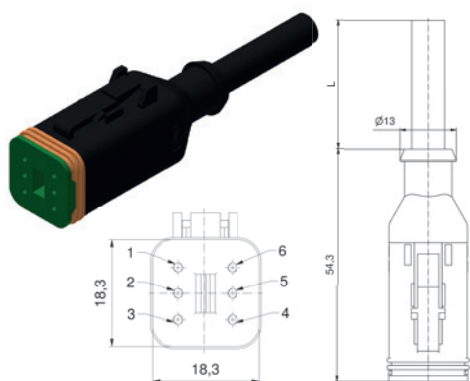
Without LED-protection circuit

Contact assignment

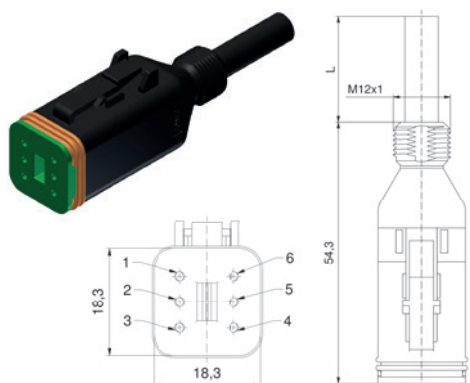
No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
6	10 - 230 V AC/DC	6	2	PUR	6 x 0.75	DT06-6S-A/K1/0.75/2m	55-00501
			5			DT06-6S-A/K1/0.75/5m	55-00502
			10			DT06-6S-A/K1/0.75/10m	55-00503

Without LED-protection circuit, M12 thread

6	10 - 230 V AC/DC	6	2	PUR	6 x 0.75	DT06-6SG-A/K1/0.75/2m	55-00504
			5			DT06-6SG-A/K1/0.75/5m	55-00505
			10			DT06-6SG-A/K1/0.75/10m	55-00506



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■



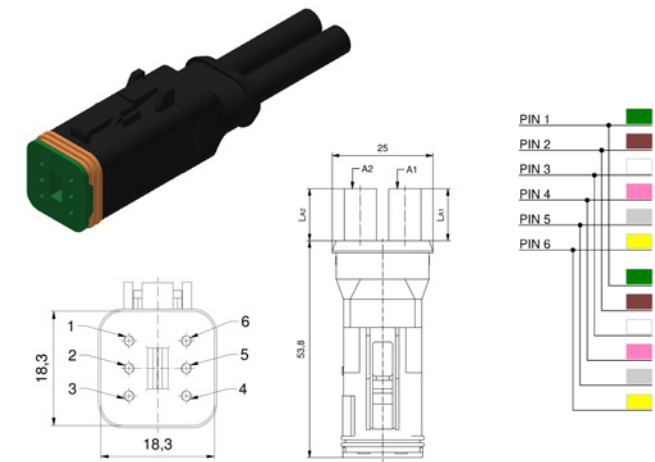
- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■

Valve connectors
DT-Series

DT06, 6-pos.
Socket contacts, double outlet

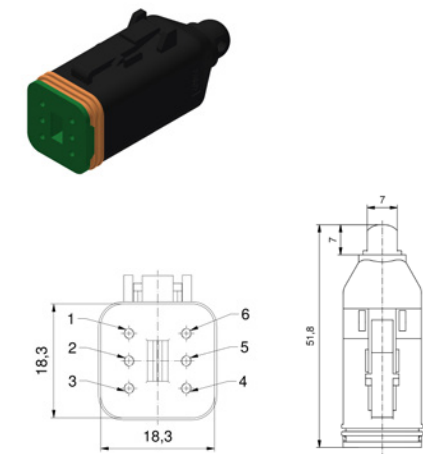
Without LED-protection circuit

Contact assignment



No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
6	10 - 230 V AC/DC	6	1	PUR	2 x 6 x 0.75	YDT06-6S-A/K1/0.75/ 1m-K1/0.75/1m	55-01156

DT06, 6-pos.
Termination cap



No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
6						DT06-6S-A/AS	55-01360

Valve connectors
DT-Series

DT04, 6-pos.
Plug contacts

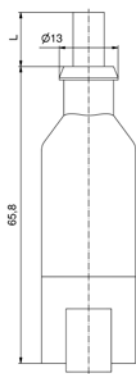
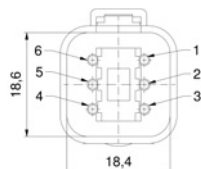
Without LED-protection circuit

Contact assignment

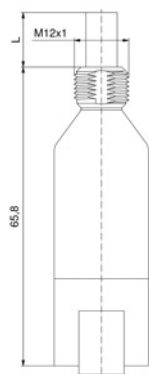
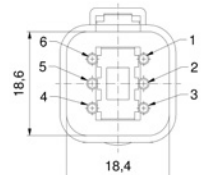
No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
6	10 - 230 V AC/DC	6	2	PUR	6 x 0.75	DT04-6P-A/K1/0.75/2m	55-00507
			5			DT04-6P-A/K1/0.75/5m	55-00508
			10			DT04-6P-A/K1/0.75/10m	55-00509

Without LED-protection circuit, M12 thread

6	10 - 230 V AC/DC	6	2	PUR	6 x 0.75	DT04-6PG-A/K1/0.75/2m	55-00510
			5			DT04-6PG-A/K1/0.75/5m	55-00511
			10			DT04-6PG-A/K1/0.75/10m	55-00512



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■



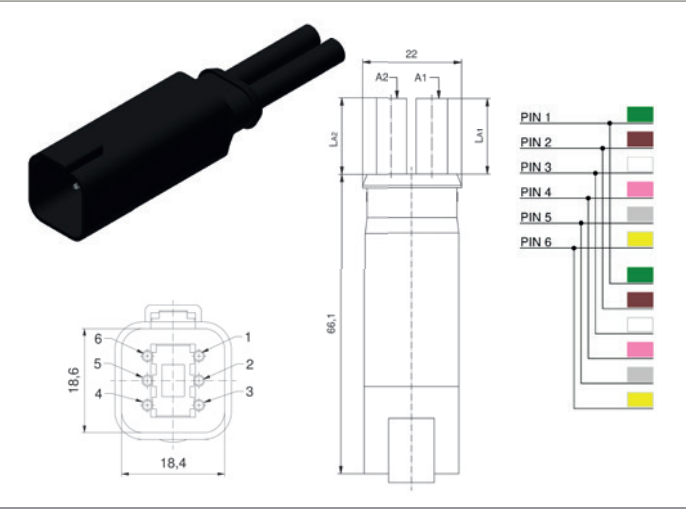
- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■

Valve connectors
DT-Series

DT04, 6-pos.
Plug contacts, double outlet

Without LED-protection circuit

Contact assignment



No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
6	10 - 230 V AC/DC	6	1	PUR	2 x 6 x 0.75	YDT04-6P-A/K1/0.75/ 1m-K1/0.75/1m	55-01321

DT04, 6-pos.
Termination cap

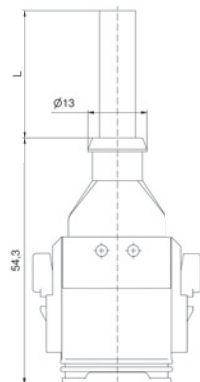
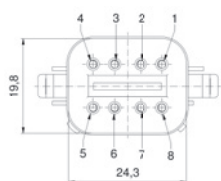
	6					DT04-6P-A/AS	55-01361
--	---	--	--	--	--	--------------	----------

Valve connectors
DT-Series

DT06, 8-pos.
Socket contacts

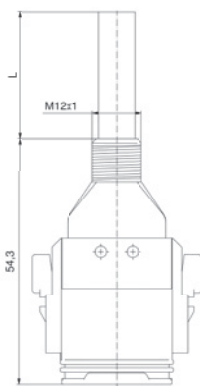
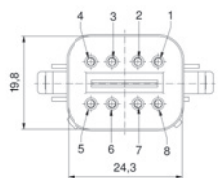
Without LED-protection circuit

Contact assignment



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]		
						Description	Part No.
8	10 - 230 V AC/DC	6	2	PUR	8 x 0.75	DT06-8AS-A/K1/0.75/2m	55-00526
			5			DT06-8AS-A/K1/0.75/5m	55-00527
			10			DT06-8AS-A/K1/0.75/10m	55-00528
8	10 - 230 V AC/DC	6	2	PUR	8 x 0.75	DT06-8ASG-A/K1/0.75/2m	55-00532
			5			DT06-8ASG-A/K1/0.75/5m	55-00533
			10			DT06-8ASG-A/K1/0.75/10m	55-00534



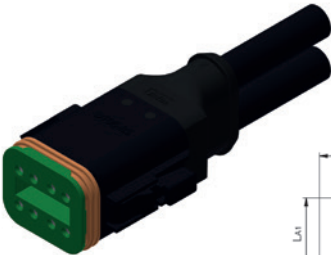
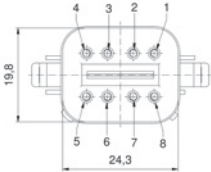
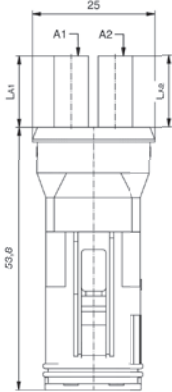
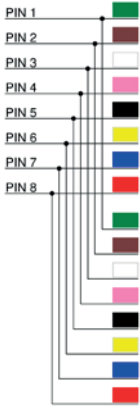
- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■

Valve connectors
DT-Series

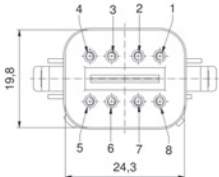
DT06, 8-pos.
Socket contacts, double outlet

Without LED-protection circuit

Contact assignment

	No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
   	8	10 - 230 V AC/ DC	6	1	PUR	2 x 8 x 0.75	YDT06-8S-A/K1/0.75/ 1m-K1/0.75/1m	55-01157

DT06, 8-pos.
Termination cap

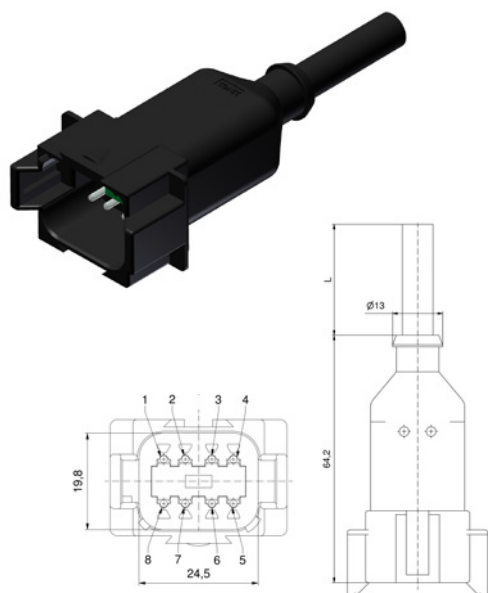
 

Valve connectors DT-Series

DT04, 8-pos. Plug contacts

Without LED-protection circuit

Contact assignment



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■

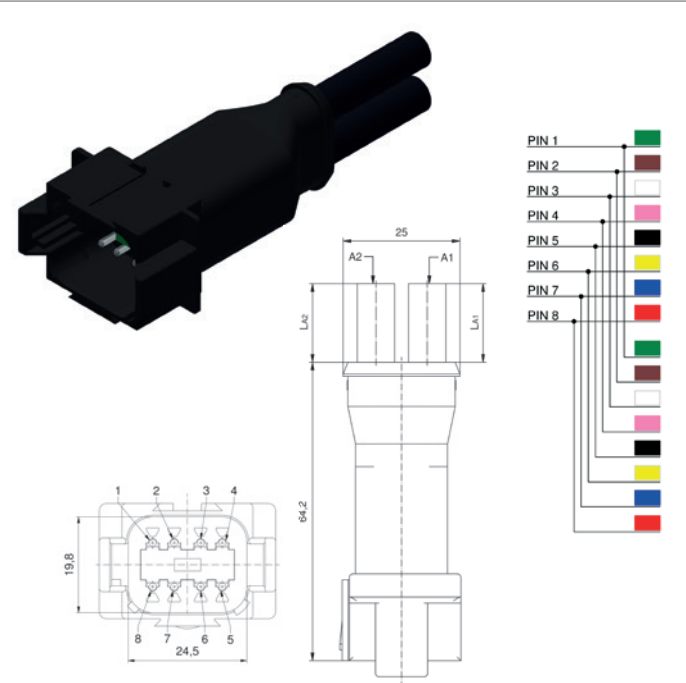
No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]		
						Description	Part No.
8	10 - 230 V AC/DC	6	2	PUR	8 x 0.75	DT04-8AP-A/K1/0.75/2m	55-00529
			5			DT04-8AP-A/K1/0.75/5m	55-00530
			10			DT04-8AP-A/K1/0.75/10m	55-00531
8	10 - 230 V AC/DC	6	2	PUR	8 x 0.75	DT04-8APG-A/K1/0.75/2m	55-00535
			5			DT04-8APG-A/K1/0.75/5m	55-00536
			10			DT04-8APG-A/K1/0.75/10m	55-00537

Valve connectors
DT-Series

DT06, 8-pos.
Plug contacts, double outlet

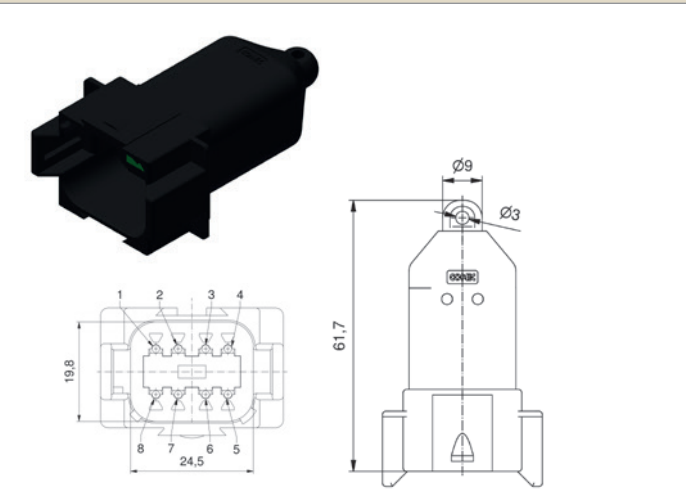
Without LED-protection circuit

Contact assignment



No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
8	10 - 230 V AC/DC	6	1	PUR	2 x 8 x 0.75	YDT04-8P-A/K1/0.75/ 1m-K1/0.75/1m	55-01383

DT04, 8-pos.
Termination cap



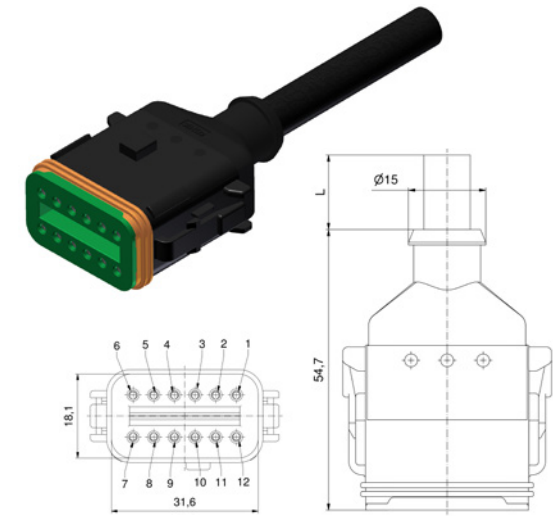
No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
8						DT04-8P-A/AS	55-01363

Valve connectors
DT-Series

DT06, 12-pos.
Socket contacts

Without LED-protection circuit

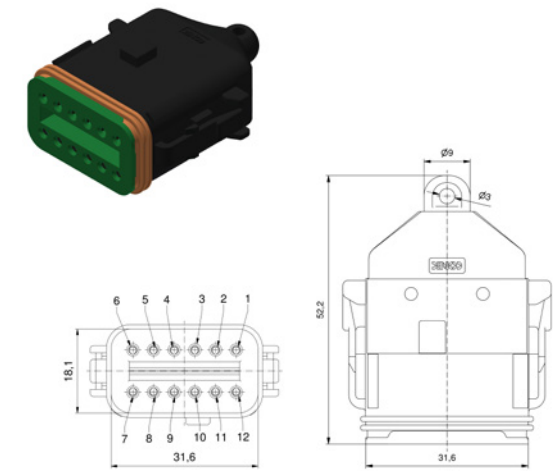
Contact assignment



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■
- PIN 9 ■
- PIN 10 ■
- PIN 11 ■
- PIN 12 ■

No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
12	10 - 230 V AC/DC	5	2	PUR	12 x 0.75	DT06-12AS-A/K1/0.75/2m	55-00553
			5			DT06-12AS-A/K1/0.75/5m	55-00554
		10	10			DT06-12AS-A/K1/0.75/10m	55-00555

DT06, 12-pos.
Termination cap



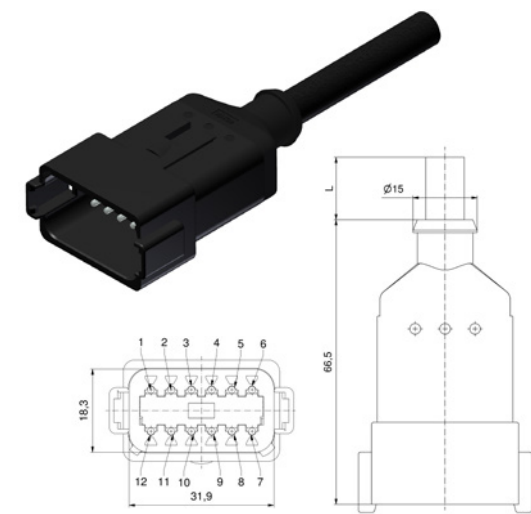
12						DT06-12S-A/A5	55-01364
----	--	--	--	--	--	---------------	----------

Valve connectors
DT-Series

DT04, 12-pos.
Plug contacts

Without LED-protection circuit

Contact assignment



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■
- PIN 9 ■
- PIN 10 ■
- PIN 11 ■
- PIN 12 ■

No. of poles	Rated voltage [A]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
12	10 - 230 V AC/DC		2			DT04-12AP-A/K1/0.75/2m	55-00556
		5	5	PUR	12 x 0.75	DT04-12AP-A/K1/0.75/5m	55-00557
			10			DT04-12AP-A/K1/0.75/10m	55-00558

DT04, 12-pos.
Termination cap

12						DT04-12P-A/AS	55-01365

SECTION 3

VALVE CONNECTORS SUPERSEAL-SERIES





VALVE CONNECTORS SUPERSEAL-SERIES

Nomenclature

	Y	VSS1.5	-	2	S	L		-	A	-	03	/	K1	/	0.75	2m	-	K1...
Form Y= Y-Splitter																		
Type VSS1.5																		
No. of poles 2 = 2-pos. 3 = 3-pos. 4 = 4-pos. 5 = 5-pos. 6 = 6-pos.																		
Type S = Socket contacts/Plug housing P = Plug contacts/Cap housing																		
Cable style = cable L = Single wire (only 2-pos. version)																		
Termination protection hose = Standard																		
Protection circuit A = without protection circuit																		
Colour Overmoulding = Black (without LED-protection circuit); translucent (withLED-protection circuit) 03 = Blue 04 = Green 05 = Yellow 06 = Red 07 = White																		
Material cable K1 = TPU, black, highflexible, halogenfree, UL A1 = PVC single wire AS = Termination cap (without contacts)* other types upon request *with circuit upon request																		
Wire cross section 0.75 = 0,75 mm ²																		
Cable length 2 m = 2 meter 5 m = 5 meter 10 m = 10 meter																		
Description outlet 2 [Y-Splitter/ Double outlet]																		

VALVE CONNECTORS SUPERSEAL-SERIES

Product specification

Basic material	
Contact	Copper alloy
Contact plating	Sn
Contact carrier	PA 6.6 GF
Overmould	TPU, UL94
Sealing	Silicone
Technical Data	
Rated voltage	max. 24 V DC
Current rating	8 A at 40 °C [2-pos.] 8 A at 40 °C [3-pos.] 7 A at 40 °C [4-pos.] 7 A at 40 °C [5-pos.] 6 A at 40 °C [6-pos.]
Degree of protection	IP67 / IP69K in mated condition
Temperature range connectors	-40 °C to +85 °C
Temperature range cable	Fixed installation: -40 °C to +80 °C Flexible installation: -25 °C to +80 °C
Temperature range single wire	Fixed installation: -40 °C to +105 °C Flexible installation: -10 °C to +105 °C
Terminal cross section	0,75 mm ² /AWG 18
Housing	Superseal 1.5, black

VALVE CONNECTORS Superseal-Series

VSS 1.5
2-pos.

Socket contacts

Contact assignment

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm ²]	Description	Part No.
2	max. 24 V DC	8	2	PUR	2 x 0.75	VSS1.5-2S-A/K1/0.75/2m	55-00470
			5			VSS1.5-2S-A/K1/0.75/5m	55-00471
			10			VSS1.5-2S-A/K1/0.75/10m	55-00472

Socket contacts, single wire

2	max. 24 V DC	8	0.5	PVC	2 x 0.75	VSS1.5-2SL-A/A1/0.75/0.5m	55-00582
			2			VSS1.5-2SL-A/A1/0.75/2m	55-00583
			5			VSS1.5-2SL-A/A1/0.75/5m	55-00584

Socket contacts, double outlet

2	max. 24 V DC	8	1	PUR	2 x 2 x 0.75	YVSS1.5-2S-A/K1/0.75/1m-K1/0.75/1m	55-01300
---	--------------	---	---	-----	--------------	------------------------------------	----------

Termination cap

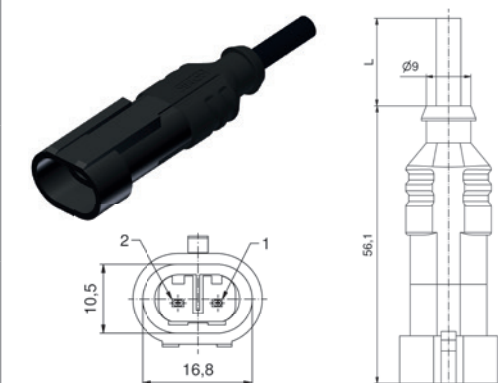
2						VSS1.5-2S-A/AS	55-01298
---	--	--	--	--	--	----------------	----------

VALVE CONNECTORS Superseal-Series

VSS 1.5
2-pos.

Plug contacts

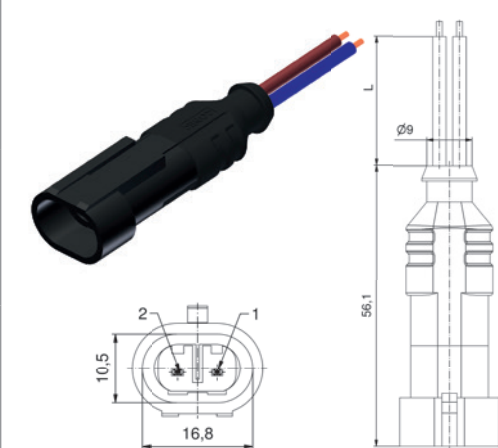
Contact assignment



PIN 1
PIN 2

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
2	max. 24 V DC	8	2	PUR	2 x 0.75	VSS1.5-2P-A/K1/0.75/2m	55-00466
			5			VSS1.5-2P-A/K1/0.75/5m	55-00467
			10			VSS1.5-2P-A/K1/0.75/10m	55-00468

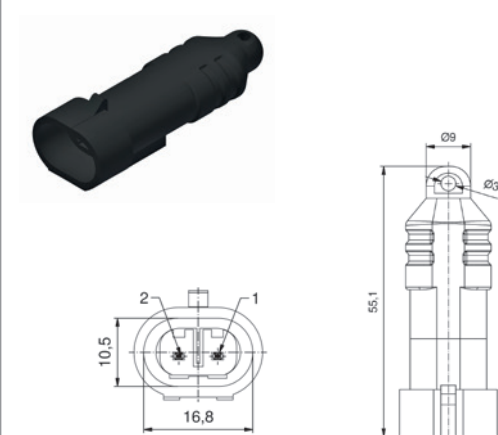
Plug contacts, single wire



PIN 1
PIN 2

2	max. 24 V DC	8	0.5	PVC	2 x 0.75	VSS1.5-2PL-A/A1/0.75/0.5m	55-00585
			2			VSS1.5-2PL-A/A1/0.75/2m	55-00586
			5			VSS1.5-2PL-A/A1/0.75/5m	55-00587

Termination cap

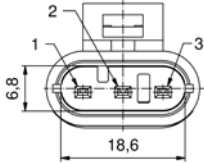
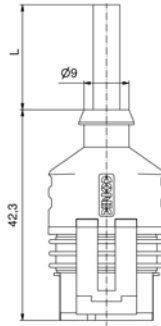
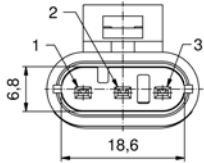
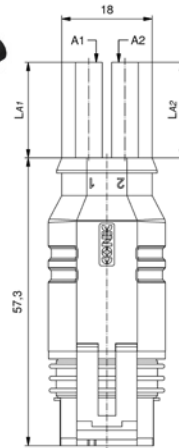
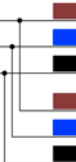
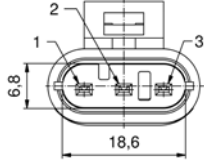
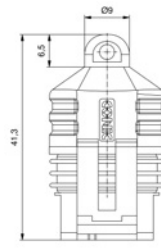


PIN 1
PIN 2

2						VSS1.5-2P-A/AS	55-01299
---	--	--	--	--	--	----------------	----------

VALVE CONNECTORS Superseal-Series

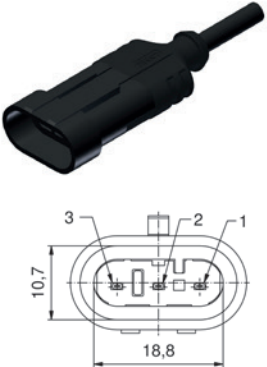
VSS 1.5
3-pos.

Socket contacts		Contact assignment	No.	Rate	Cum	Cab	Cab	Wire	Description	Part No.
   PIN 1  PIN 2  PIN 3 	3	max. 24 V DC	8	5	PUR	3 x 0.75	VSS1.5-3S-A/K1/0.75/2m	55-00478		
							VSS1.5-3S-A/K1/0.75/5m	55-00479		
							VSS1.5-3S-A/K1/0.75/10m	55-00480		
Socket contacts, double outlet										
   PIN 1  PIN 2  PIN 3  	3	max. 24 V DC	8	1	PUR	2 x 3 x 0.75	YVSS1.5-3S-A/K1/0.75/ 1m-K1/0.75/1m	55-01301		
Termination cap										
  	3						VSS1.5-3S-A/AS	55-01376		

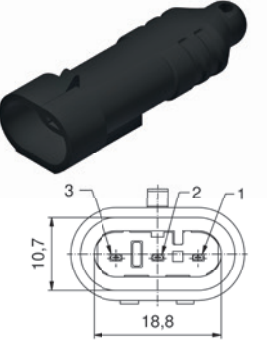
VALVE CONNECTORS Superseal-Series

VSS 1.5 3-pos.

Plug contacts

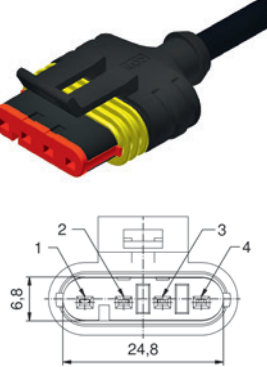
 	No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm ²]	Description	Part No.
	3	max. 24 V DC	8	2	PUR	3 x 0.75	VSS1.5-3P-A/K1/0.75/2m	55-00474
				5			VSS1.5-3P-A/K1/0.75/5m	55-00475
				10			VSS1.5-3P-A/K1/0.75/10m	55-00476

Plug contacts, termination plug

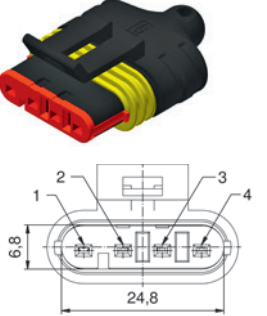
 	3						VSS1.5-3P-A/AS	55-01375
--	---	--	--	--	--	--	----------------	----------

VSS 1.5 4-pos.

Socket contacts

 	4	max. 24 V DC	2	PUR	4 x 0.75	VSS1.5-4S-A/K1/0.75/2m	55-00595
			5			VSS1.5-4S-A/K1/0.75/5m	55-00596
			10			VSS1.5-4S-A/K1/0.75/10m	55-00597

Termination cap

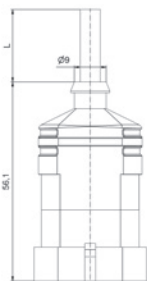
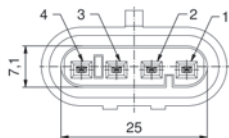
 	4						VSS1.5-4S-A/AS	55-01378
---	---	--	--	--	--	--	----------------	----------

VALVE CONNECTORS Superseal-Series

VSS 1.5
4-pos.

Plug contacts

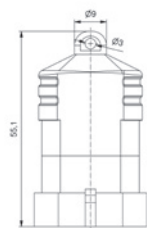
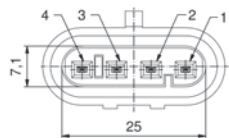
Contact assignment



PIN 1
PIN 2
PIN 3
PIN 4

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description		Part No.
4	max. 24 V DC	7	2	PUR	4 x 0.75	VSS1.5-4P-A/K1/0.75/2m	55-00598	
			5			VSS1.5-4P-A/K1/0.75/5m	55-00599	
			10			VSS1.5-4P-A/K1/0.75/10m	55-00600	
4	max. 24 V DC	7	1	PUR	2 x 4 x 0.75	YVSS1.5-4P-A/K1/0.75/1m-K1/0.75/1m	55-01149	
4						VSS1.5-4P-A/AS	55-01377	

Termination cap



VALVE CONNECTORS Superseal-Series

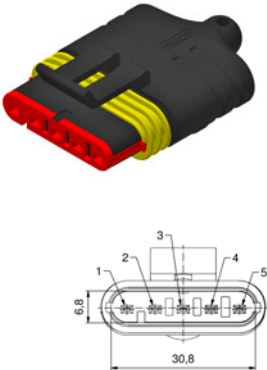
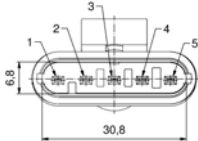
VSS 1.5
5-pos.

Socket contacts

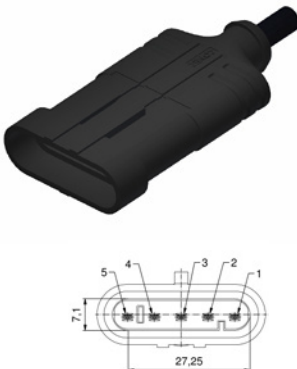
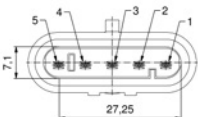
Contact assignment

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm ²]	Description	Part No.
5	max. 24 V DC	7	2	PUR	5 x 0.75	VSS1.5-5S-A/K1/0.75/2m	55-00641
			5			VSS1.5-5S-A/K1/0.75/5m	55-00642
			10			VSS1.5-5S-A/K1/0.75/10m	55-00643

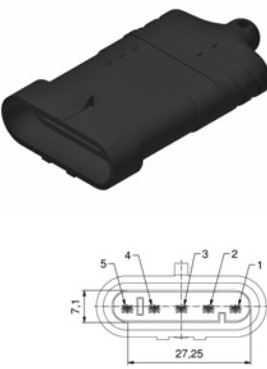
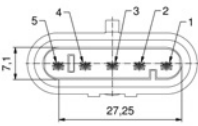
Termination cap

 							
5						VSS1.5-5S-A/AS	55-01380

Plug contacts

 							
5	max. 24 V DC	7	2	PUR	5 x 0.75	VSS1.5-5P-A/K1/0.75/2m	55-00644
			5			VSS1.5-5P-A/K1/0.75/5m	55-00645
			10			VSS1.5-5P-A/K1/0.75/10m	55-00646

Termination cap

 							
5						VSS1.5-5P-A/AS	55-01379

VALVE CONNECTORS Superseal-Series

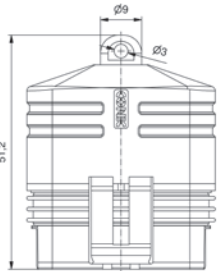
VSS 1.5
6-pos.

Socket contacts

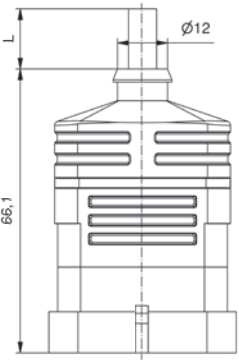
Contact assignment

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm ²]	Description	Part No.
6	max. 24 V DC	6	2	PUR	6 x 0.75	VSS1.5-6S-A/K1/0.75/2m	55-00647
			5			VSS1.5-6S-A/K1/0.75/5m	55-00648
			10			VSS1.5-6S-A/K1/0.75/10m	55-00649

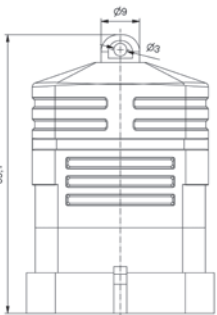
Termination cap

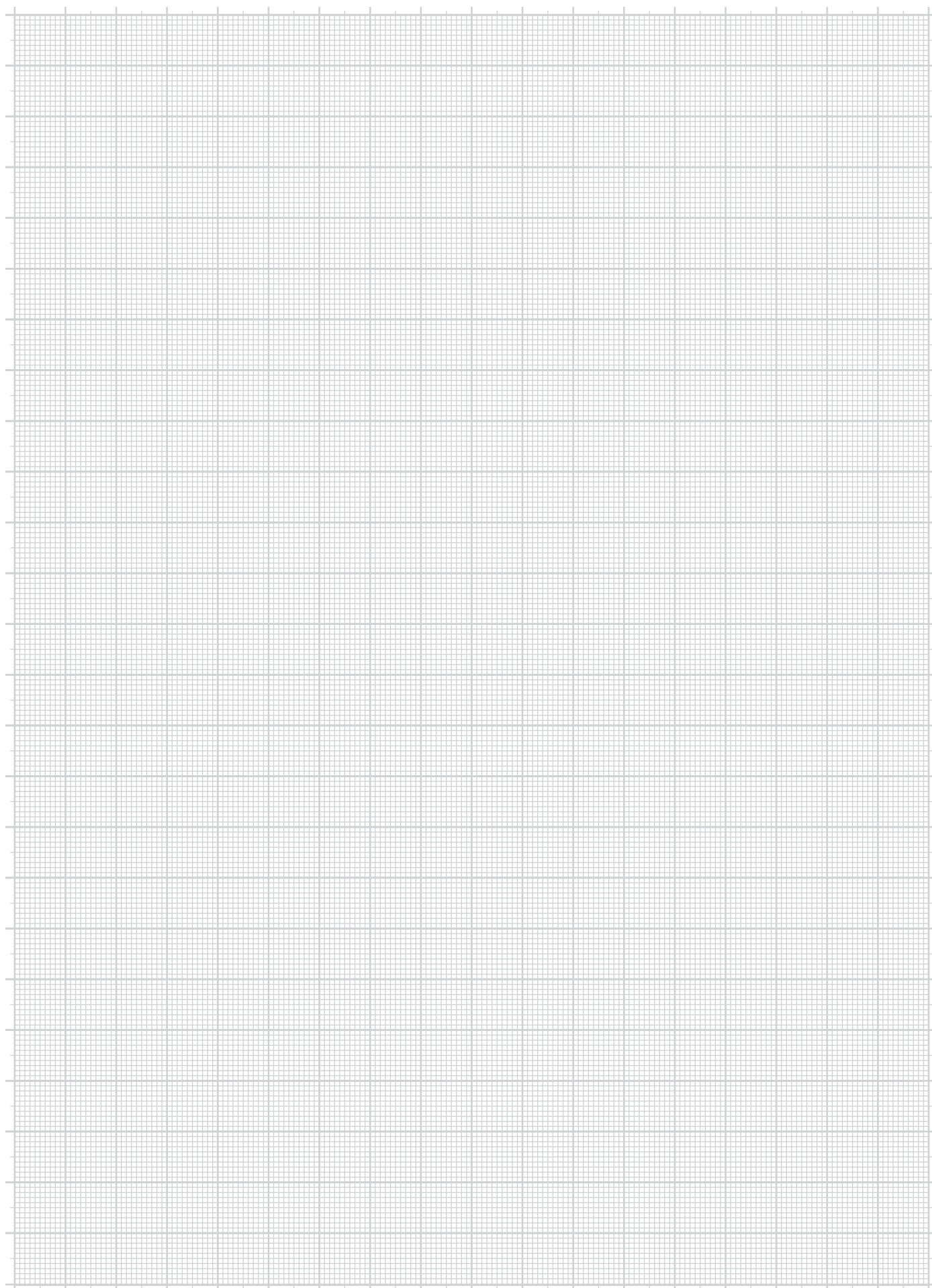
  Dimensions: 36.8, 6.8, 51.2, Ø9, Ø3 Pin assignment: PIN 1 (Green), PIN 2 (Brown), PIN 3 (White), PIN 4 (Pink), PIN 5 (Grey), PIN 6 (Yellow)							
6						VSS1.5-6S-A/AS	55-01382

Plug contacts

  Dimensions: 36.8, 6.8, 66.1, Ø12 Pin assignment: PIN 1 (Green), PIN 2 (Brown), PIN 3 (White), PIN 4 (Pink), PIN 5 (Grey), PIN 6 (Yellow)							
6	max. 24 V DC	6	2	PUR	6 x 0.75	VSS1.5-6P-A/K1/0.75/2m	55-00650
			5			VSS1.5-6P-A/K1/0.75/5m	55-00651
			10			VSS1.5-6P-A/K1/0.75/10m	55-00652

Termination cap

  Dimensions: 36.8, 6.8, 65.1, Ø9, Ø3 Pin assignment: PIN 1 (Green), PIN 2 (Brown), PIN 3 (White), PIN 4 (Pink), PIN 5 (Grey), PIN 6 (Yellow)							
6						VSS1.5-6P-A/AS	55-01381



SECTION 4

VALVE CONNECTORS CPC SERIES





CONNECTORS CPC-SERIES

Nomenclature

	Y	CPC13	-	9	S	L	-	A	-	03	/	K1	/	0.75	/	2m	-	K1...
Form Y = Y-Splitter																		
Type CPC13 = Shell size 13 CPC17 = Shell size 17																		
No. of poles 7 = 7-pos. (Size 13) 9 = 9-pos. (Size 13) 3 = 3-pos. (Size 17)																		
Type S = Socket contacts/Plug housing P = Plug contacts/Receptacle housing																		
Cable style = cable L = Single wire (only 2-pos. version)																		
Termination protection hose = Standard																		
Protection circuit A = without protection circuit																		
Colour Overmoulding = Black 03 = Blue 04 = Green 05 = Yellow 06 = Red 07 = White																		
Material cable K1 = TPU, black, highflexible, halogenfree, UL A1 = PVC single wire AS = Termination cap (without contacts)* other types upon request *with circuit upon request																		
Wire cross section 0.75 = 0,75 mm ²																		
Cable length 2m = 2 meter 5m = 5 meter 10m = 10 meter																		
Description outlet 2 [Y-Splitter/ Double outlet]																		

CPC-SERIES

Product specification

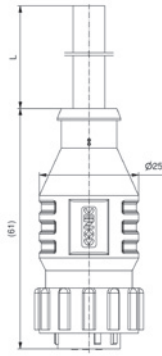
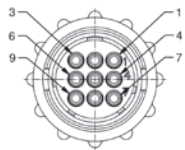
Basic material	
Contact	Copper alloy
Contact plating	Sn
Contact carrier	Thermoplastic UL 94-V0
Overmould	TPU, UL94
Sealing	Silicone
Technical Data	
Sizes [No. of poles]	13 [9, 7] 17 [3]
Locking type	Bayonet
Rated voltage	max. 250 V AC/DC
Current rating	5 A at 40 °C [9-pos.] 6 A at 40 °C [7-pos.] 15 A at 40 °C [3-pos.]
Degree of protection	IP67 in mated condition
Temperature range connectors	-40 °C to +105 °C
Temperature range cable	Fixed installation: -40 °C to +80 °C Flexible installation: -25 °C to +80 °C
Temperature range single wire	Fixed installation: -40 °C to +105 °C Flexible installation: -10 °C to +105 °C
Terminal cross section	0,75 mm² [9, 7-pos.] 1,5 mm² [3-pos.]
Housing	CPC, black

CPC CONNECTORS overmoulded

CPC series 1 / Size 13
9-pos.

Socket contacts, connecting cable

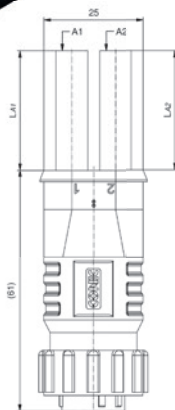
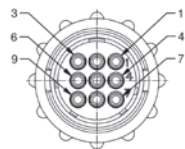
Contact assignment



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■
- PIN 9 n.c.

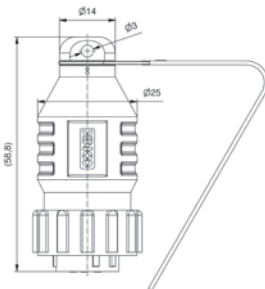
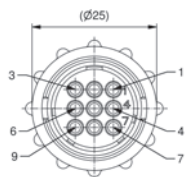
No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
9	max. 250 V AC/DC	5	2	PUR	8x 0.75	CPC13-9.04S-A/K1/ 0.75/2m	55-40014
			5			CPC13-9.04S-A/K1/ 0.75/5m	55-40015
			10			CPC13-9.04S-A/K1/ 0.75/10m	55-40016

Socket contacts, double outlet



9	max. 250 V AC/DC	5	1	PUR	2x 8x 0.75	YCPC13-9.04S-A/K1/ 0.75/1m-K1/0.75/1m	55-40017
---	------------------	---	---	-----	------------	--	----------

Socket contacts, termination cap



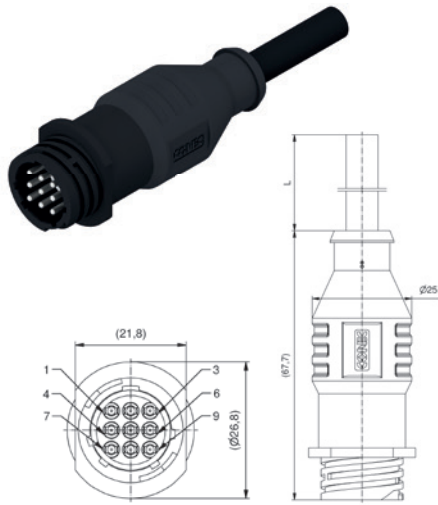
9						CPC13-9S-A/AS	55-40018
---	--	--	--	--	--	---------------	----------

CPC CONNECTORS overmoulded

CPC series 1 / Size 13
9-pos.

Plug contacts, connecting cable

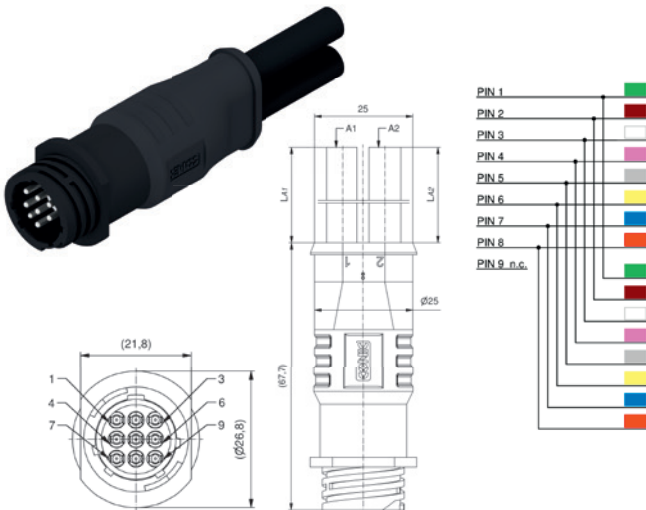
Contact assignment



- PIN 1 ■
- PIN 2 ■
- PIN 3 ■
- PIN 4 ■
- PIN 5 ■
- PIN 6 ■
- PIN 7 ■
- PIN 8 ■
- PIN 9 n.c.

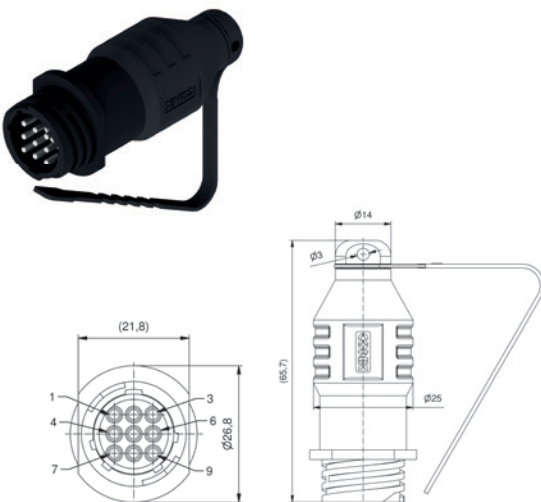
No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
9	max. 250 V AC/DC	5	2	PUR	8x 0.75	CPC13-9.04P-A/K1/ 0.75/2m	55-40019
			5			CPC13-9.04P-A/K1/ 0.75/5m	55-40020
			10			CPC13-9.04P-A/K1/ 0.75/10m	55-40021

Plug contacts, double outlet



9	max. 250 V AC/DC	5	1	PUR	2x 8x 0.75	YCPC13-9.04P-A/K1/ 0.75/1m-K1/0.75/1m	55-40022
---	------------------	---	---	-----	------------	--	----------

Plug contacts, termination cap



9						CPC13-9P-A/AS	55-40023
---	--	--	--	--	--	---------------	----------

CPC series 1 / Size 13
7-pos.

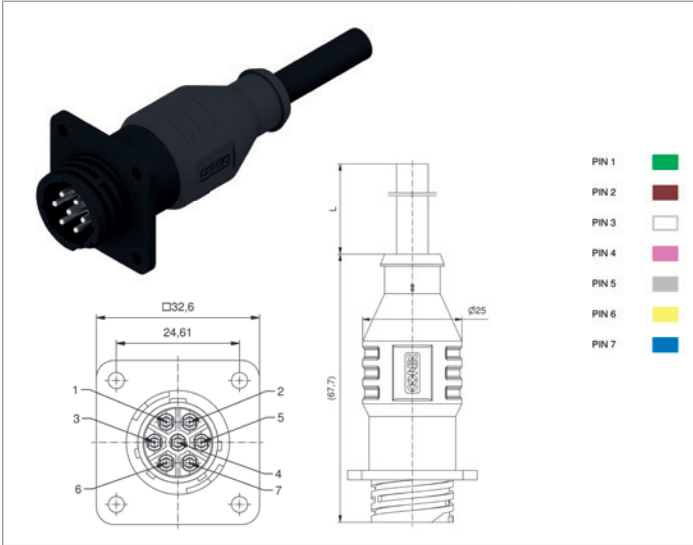
62 CONEC®

CPC CONNECTORS overmoulded

CPC series 1 / Size 13
7-pos.

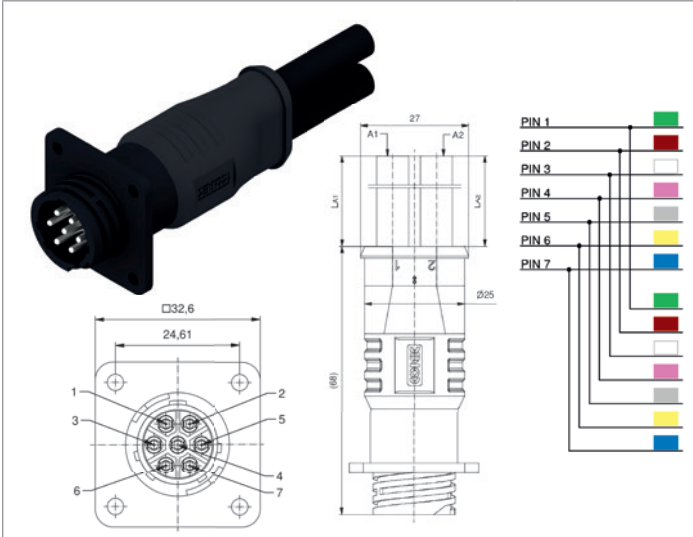
Plug contacts, connecting cable

Contact assignment



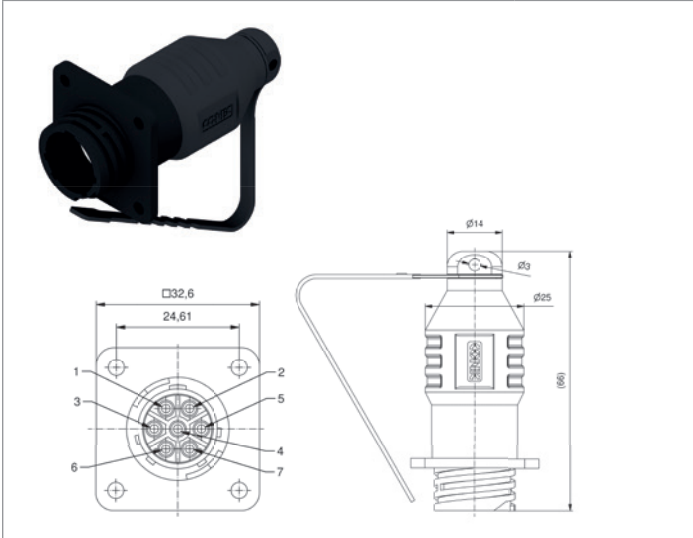
No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
7	max. 250 V AC/DC	6	2	PUR	8x 0.75	CPC13-7.12P-A/K1/ 0.75/2m	55-40029
			5			CPC13-7.12P-A/K1/ 0.75/5m	55-40030
			10			CPC13-7.12P-A/K1/ 0.75/10m	55-40031

Plug contacts, double outlet



7	max. 250 V AC/DC	6	1	PUR	2x 8x 0.75	YCPC13-7.12P-A/K1/ 0.75/1m-K1/0.75/1m	55-40032
---	------------------	---	---	-----	------------	--	----------

Plug contacts, termination cap



7						CPC13-7P-A/AS	55-40033
---	--	--	--	--	--	---------------	----------

CPC CONNECTORS
overmoulded

CPC series 3 / size 17
3-pos.

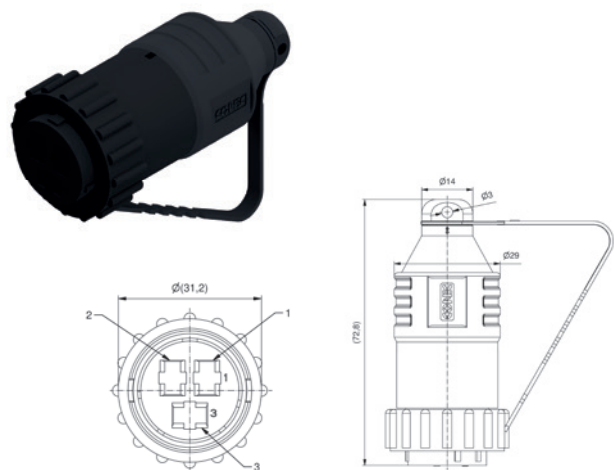
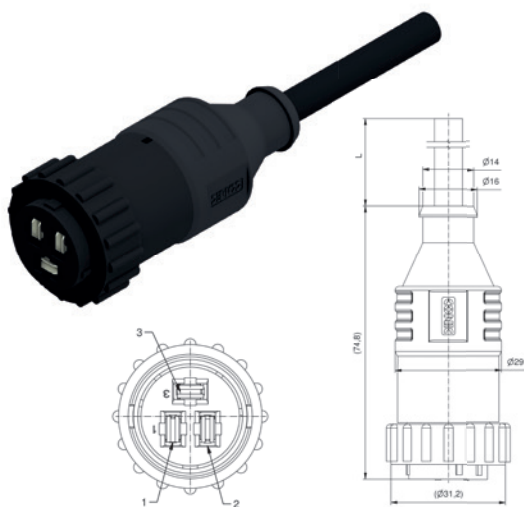
Socket contacts, connecting cable

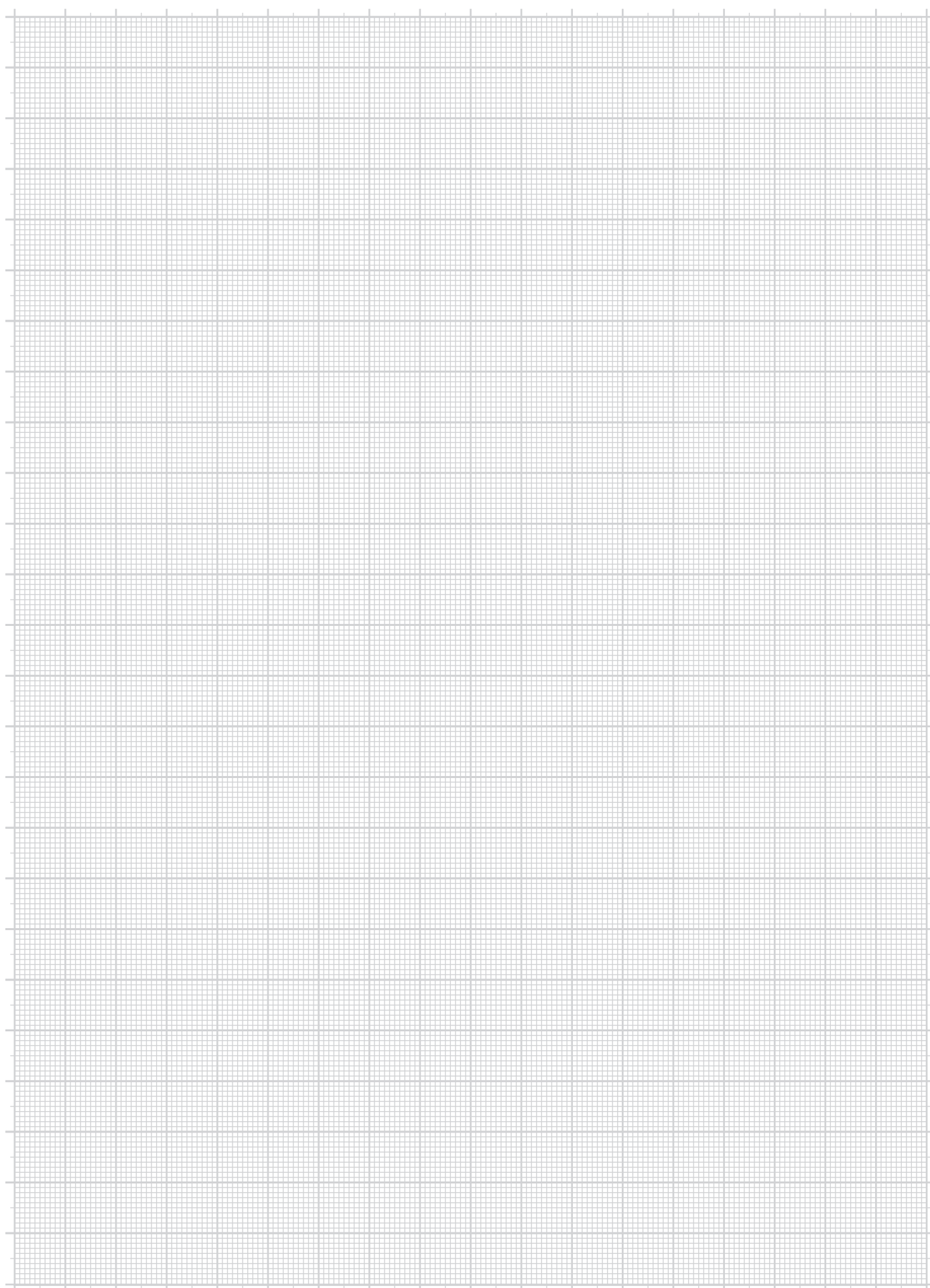
Contact assignment

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Cable quality	Wire cross section [mm²]	Description	Part No.
3	max. 250 V AC/DC	15	2	PUR	3 x 1.5	CPC17-3S-A/K1/ 1.5/2m	55-40034
			5			CPC17-3S-A/K1/ 1.5/5m	55-40035
			10			CPC17-3S-A/K1/ 1.5/10m	55-40036

Plug contacts, termination cap

3						CPC17-3S-A/AS	55-40038
---	--	--	--	--	--	---------------	----------





SECTION 5

M12x1 CONNECTORS OVERMOULDED



WITH PLASTIC COUPLING SCREW/NUT



M12x1 CONNECTORS OVERMOULDED WITH PLASTIC COUPLING NUT/SCREW

Nomenclature

	SAL	-	12	-	R	K	W	K	4	-	3	L	-	2	/	K1	/	0.75	-	03
SAL Sensor Actor Line																				
Installation size Coupling element																				
Coding = Standard (A-cod.)																				
Type R = Circular connectors																				
Gender K = Female connector S = Male connector																				
Configuration = Axial W = Angled																				
Screw locking = GD-Zn, Ni K = plastic coupling nut/screw																				
No. of poles 4 = 4-pos. 5 = 5-pos.																				
LED-Display 2L = 2 LED 3L = 3 LED																				
Cable length xx = Length [m]																				
Cable quality K1 = TPU, black, high flexible, halogenfree, UL																				
Wire cross section 050 = 0,50 mm ² 075 = 0,75 mm ²																				
Colour plastic coupling nut/screw = Black 03 = Blue 04 = Green 05 = Yellow 06 = Red 07 = White																				

M12x1 CONNECTORS OVERMOULDED WITH PLASTIC COUPLING NUT/SCREW

Product specification

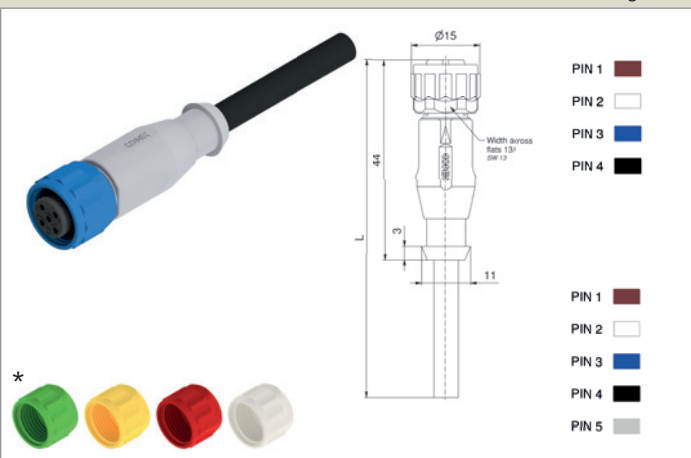
Basic material	
Contact	CuZn
Contact plating	Ni, Au 0,2 gal.
Contact carrier	PA, UL 94 V-0
Overmould	TPU, UL 94 HB, grey
Sealing	FPM
Coupling nut/screw	PA GF, UL 94 HB
Technical Data	
Rated voltage	250 V / 60 V
Current rating	4 A
Degree of protection	IP67
Temperature range	-30 °C ... +80 °C
Terminal cross section	0.75 mm ²
Insulation resistance	> = 100 MΩ
Pollution degree	3/2
Mating cycles	> = 100

M12x1 Connectors overmoulded
With colored plastic coupling nut

Female connector
axial

TPU, UL, black, Li9Y11Y

Contact assignment

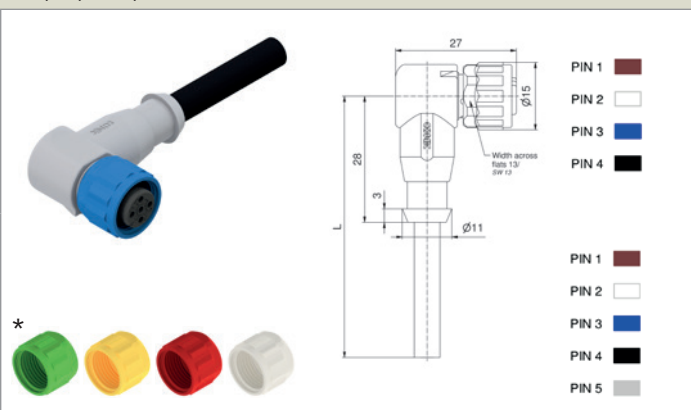


No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm²]	Description	Part No.
4	250 V	4	2	0.75	SAL-12-RKK4-2/K1/075-03	43-21436
5	60 V				SAL-12-RKK5.1-2/K1/075-03	43-21437

Additional wire cross sections, lengths and double ended variants on request.
 * Please contact us if you are interested in the additional shown coloured coupling nut/screw.

Female connector
angled

TPU, UL, black, Li9Y11Y



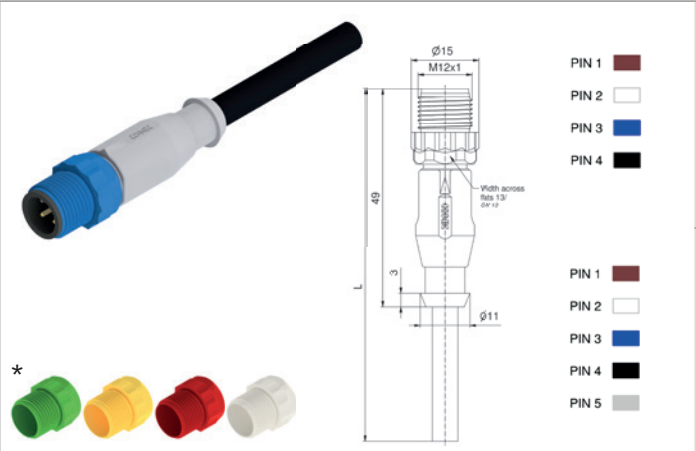
4	250 V	4	2	0.75	SAL-12-RKWK4-2/K1/075-03	43-21438
5	60 V				SAL-12-RKWK5.1-2/K1/075-03	43-21439

M12x1 Connectors overmoulded
With colored plastic coupling screw

Male connector
axial

TPU, UL, black, Li9Y11Y

Contact assignment

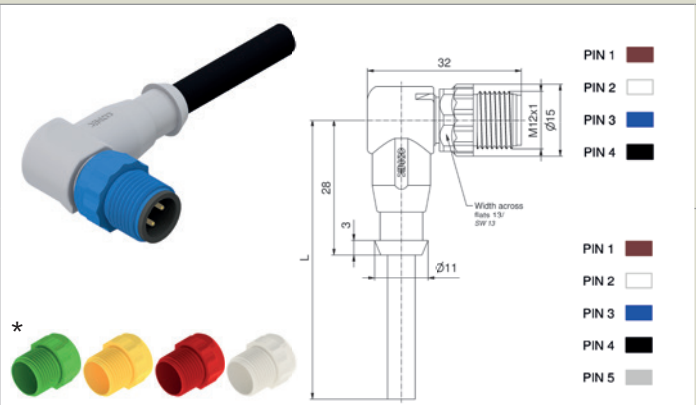


No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm²]	Description	Part No.
4	250 V	4	2	0.75	SAL-12-RSK4-2/K1/075-03	43-21440
5	60 V				SAL-12-RSK5.1-2/K1/075-03	43-21441

Additional wire cross sections, lengths and double ended variants on request.
 * Please contact us if you are interested in the additional shown coloured coupling nut/screw.

Male connector
angled

TPU, UL, black, Li9Y11Y



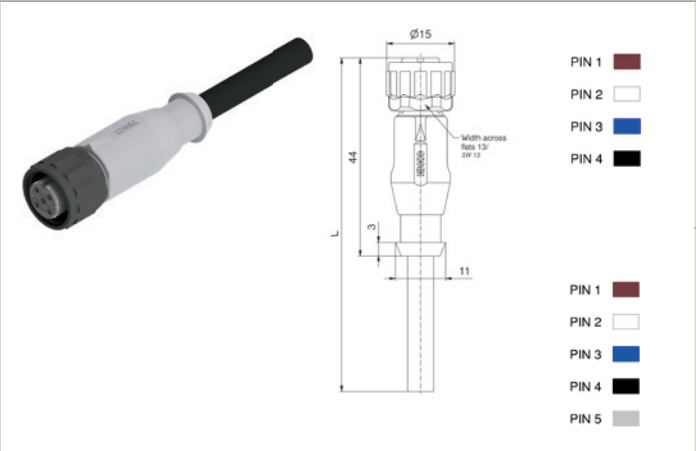
4	250 V	4	2	0.75	SAL-12-RSWK4-2/K1/075-03	43-21442
5	60 V				SAL-12-RSWK5.1-2/K1/075-03	43-21443

M12x1 Connectors overmoulded
Plastic coupling nut black

Female connector
axial

TPU, UL, black, Li9Y11Y

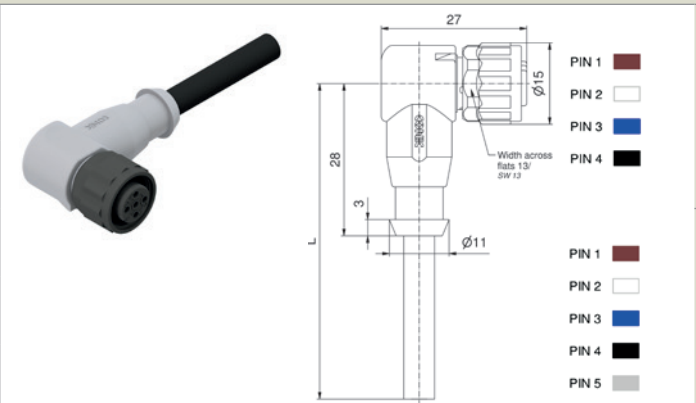
Contact assignment



No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm²]	Additional wire cross sections, lengths and double ended variants on request.	
					Description	Part No.
4	250 V	4	2	0.75	SAL-12-RKK4-2/K1/075	43-20337
			5		SAL-12-RKK4-5/K1/075	43-20339
			10		SAL-12-RKK4-10/K1/075	43-20340
5	60 V	4	2		SAL-12-RKK5.1-2/K1/075	43-20345
			5		SAL-12-RKK5.1-5/K1/075	43-20347
			10		SAL-12-RKK5.1-10/K1/075	43-20348

Female connector
angled

TPU, UL, black, Li9Y11Y



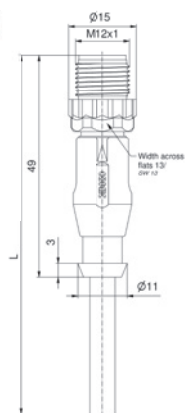
4	250 V	4	2	0.75	SAL-12-RKWK4-2/K1/075	43-20353
			5		SAL-12-RKWK4-5/K1/075	43-20355
			10		SAL-12-RKWK4-10/K1/075	43-20356
5	60 V	4	2		SAL-12-RKWK5.1-2/K1/075	43-20361
			5		SAL-12-RKWK5.1-5/K1/075	43-20363
			10		SAL-12-RKWK5.1-10/K1/075	43-20364

M12x1 Connectors overmoulded
Plastic coupling screw black

Male connector
axial

TPU, UL, black, Li9Y11Y

Contact assignment



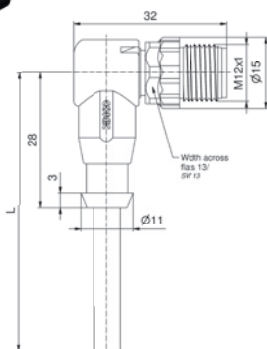
PIN 1 
 PIN 2 
 PIN 3 
 PIN 4 

PIN 1 
 PIN 2 
 PIN 3 
 PIN 4 
 PIN 5 

No. of poles	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm²]	Additional wire cross sections, lengths and double ended variants on request.	
					Description	Part No.
4	250 V	4	2	0.75	SAL-12-RSK4-2/K1/075	43-20341
			5		SAL-12-RSK4-5/K1/075	43-20343
			10		SAL-12-RSK4-10/K1/075	43-20344
5	60 V	4	2	0.75	SAL-12-RSK5.1-2/K1/075	43-20349
			5		SAL-12-RSK5.1-5/K1/075	43-20351
			10		SAL-12-RSK5.1-10/K1/075	43-20352

Male connector
angled

TPU, UL, black, Li9Y11Y



PIN 1 
 PIN 2 
 PIN 3 
 PIN 4 

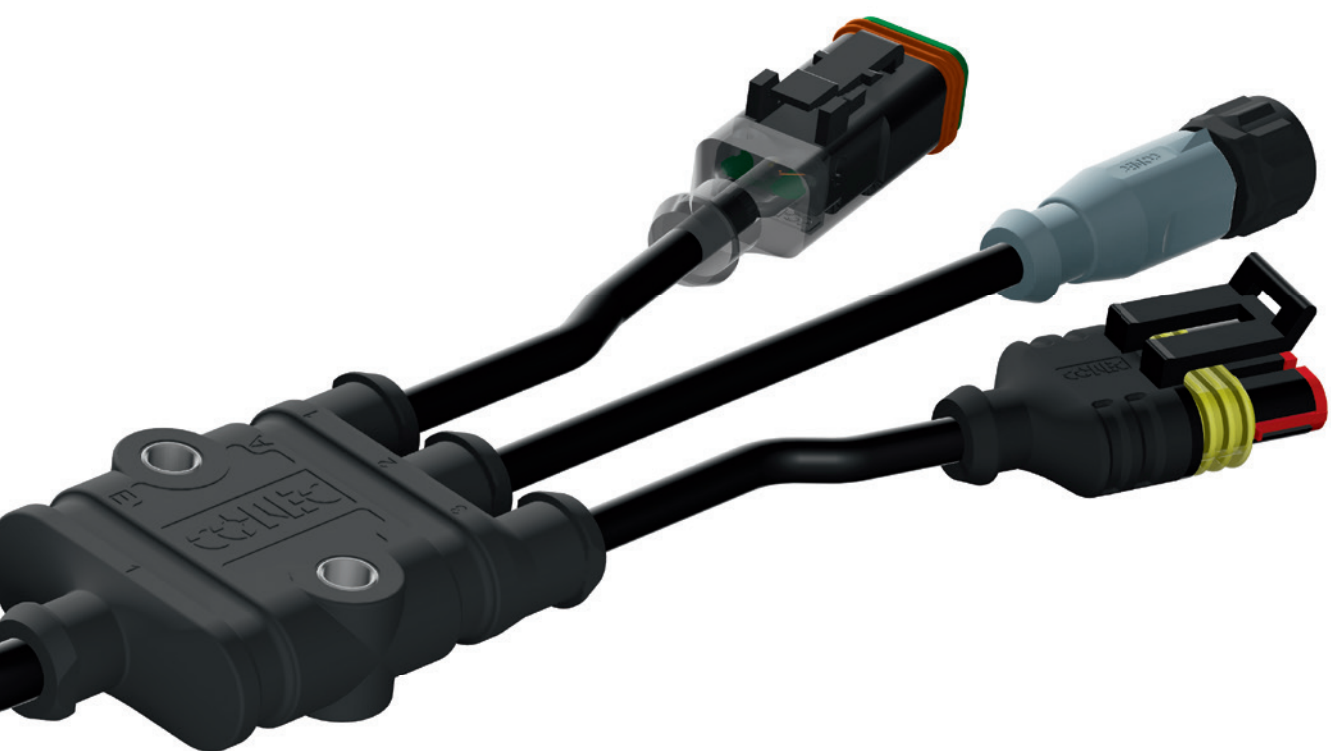
PIN 1 
 PIN 2 
 PIN 3 
 PIN 4 
 PIN 5 

4	250 V	4	2	0.75	SAL-12-RSWK4-2/K1/075/A1090	43-20357
			5		SAL-12-RSWK4-5/K1/075/A1090	43-20359
			10		SAL-12-RSWK4-10/K1/075/A1090	43-20360
5	60 V	4	2	0.75	SAL-12-RSWK5.1-2/K1/075/A1090	43-20365
			5		SAL-12-RSWK5.1-5/K1/075/A1090	43-20367
			10		SAL-12-RSWK5.1-10/K1/075/A1090	43-20368

SECTION 6

JUNCTION SYSTEM TYPE S, M, L _____



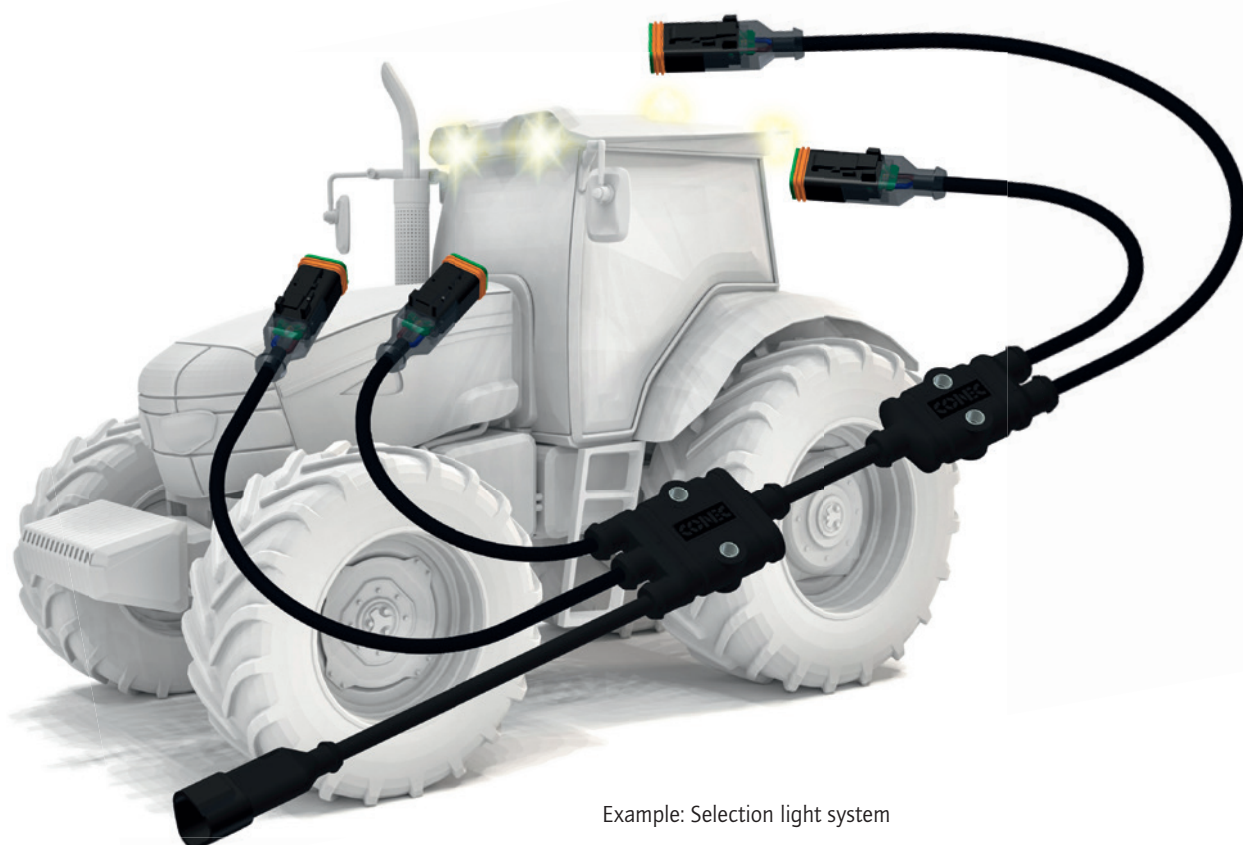


Fields of application

In agricultural technology, too, the degree of automation is steadily increasing and hence the need to equip machines with sensors and other individual electrical components.

The new CONEC junction system provides a flexible way to integrate moulded branches/outlets in electrical connection lines such as e.g. cable harnesses. This ensures that the continuous lead sheathing retains its full functional integrity even at the splice site (at the junction system). The junction system is min. IP67-protected, electrically tested in the factory and thus offers a robust, tamper-proof way to electrify machines in a safe way. The PUR moulding provides good resistance for applications in the agricultural industry.

CONEC provides three different sizes of junction systems (S, M and L).



Example: Selection light system

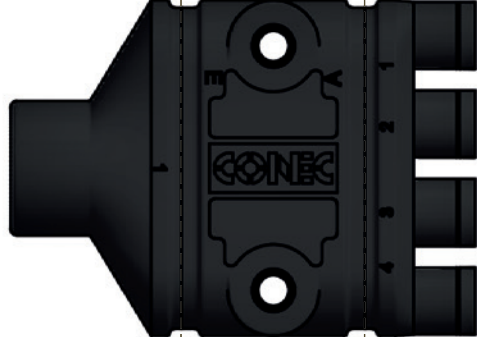
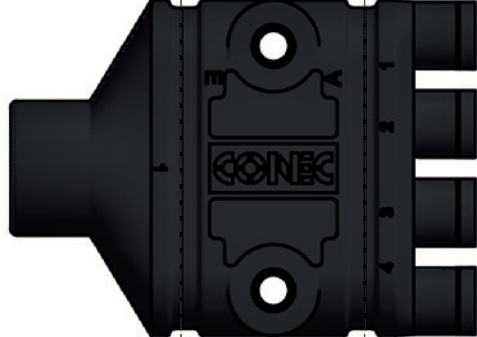
Characteristics	Type S	Type M	Type L
Dimensions (L x W x H mm)	66 x 30 x 15	66 x 40 x 15	76 x 55 x 22
Cable entry	1, 2	1, 2, 3	1, 4
Cable exit	1, 2	1, 2, 3	3, 4

Since the junction system is designed for cable entries and exits, there are almost unlimited possibilities to combine different connector systems. The limits are set by the maximum cable diameter of 8 mm for the variants S and M. Variant L is limited for the reception of maximum cable diameters of 17 mm and the cable diameters of the exits of the quadruple type to max. 8 mm and the triple type to max. 13 mm.

Each junction system has two attachment holes with M5 thread for easy and safe installation in the machines. In addition, a fixture to attach the distributor with a cable tie to the entry and exit is integrated in the housing. Thus, the system can be attached at the place of operation easily and securely according to the respective requirements and withstands the harshest conditions.

Due to the flexible design of internal wiring in the junction system, it is also possible to connect an integrated circuit, e.g. an integrated self-restoring fuse in a path in addition to the simple 1:n connection. Possibilities are almost unlimited. Please do not hesitate to contact us about your individual requirements, we can implement them.

JUNCTION SYSTEM TYPE S, M, L Overview

Suitable series	Input	Output	Suitable series
 VSS - Series Type: S, M, L	1, 2 	1, 2 	 M8 - Series Type: S, M, L
 DT - Series Type: S, M, L	1, 2, 3 	1, 2, 3 	 M12 - Series Type: S, M, L
 ISOBUS - Series Type: L	1, 4 	3, 4 	 CPC - Series Type: S, M, L

Characteristics	Type S	Type M	Type L
Dimensions (L x W x H mm)	66 x 30 x 15	66 x 40 x 15	76 x 55 x 22
Cable entry	1, 2	1, 2, 3	1, 4
Cable exit	1, 2	1, 2, 3	3, 4
Overmould	TPU UL94 V-0	TPU UL94 V-0	TPU UL94 V-0
Cable quality	PUR (0.75 mm²)*	PUR (0.75 mm²)*	PUR (Hybrid)*
Max. cable diameter entry	8 mm	11 mm	17 mm (1 entry) 8 mm (4 entries)
Max. cable diameter exit	8 mm	8 mm	13 mm (3 exits) 8 mm (4 exits)
Degree of protection	IP67	IP67	IP67

* Other cable qualities on request

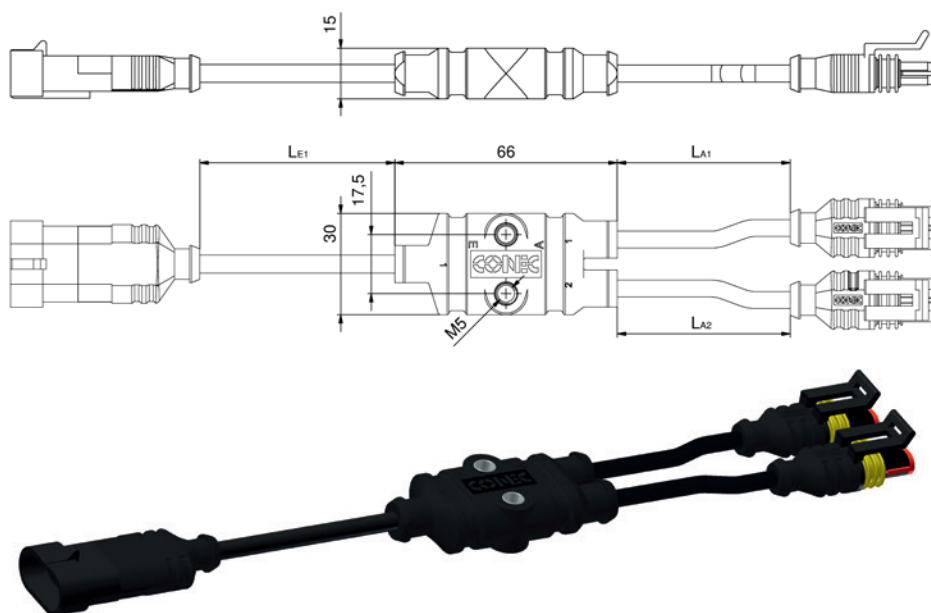
JUNCTION SYSTEM

Example

Type S

1 Entry / 2 Exits

Contact Assignment

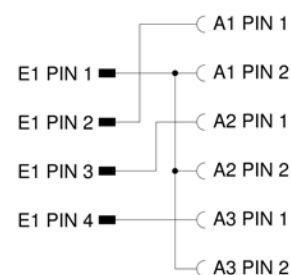
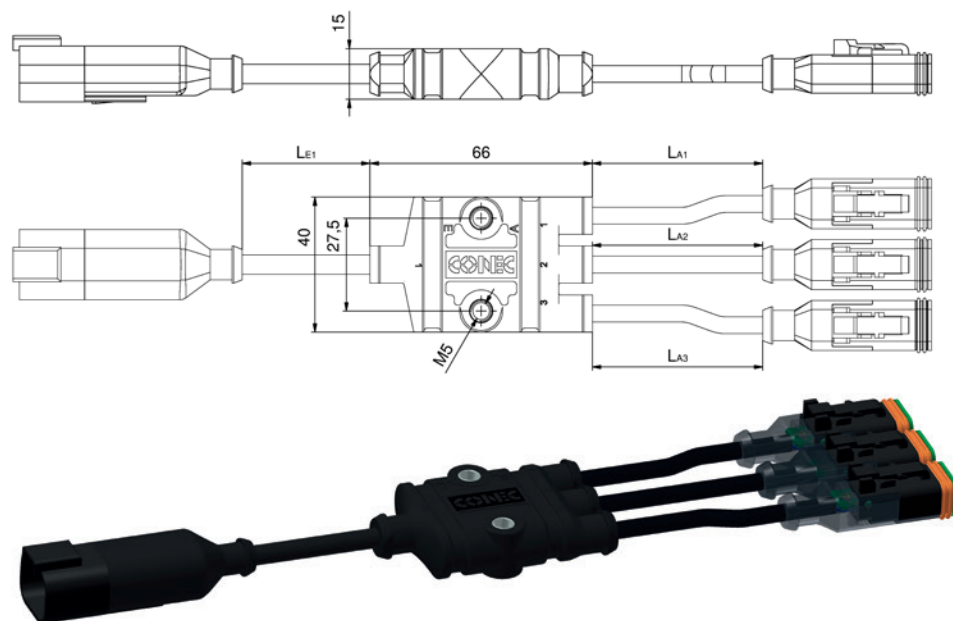


Entry _{E1-2}	Type	Length L_{E1-2} [m]	Distribution type	Exit _{A1-2}	Type	Length L_{A1-2} [m]	Article
E1	VSS1.5-3P-A	0,6	S	A1	VSS1.5-2S-A	0,6	55-20001
E2	–	–		A2	VSS1.5-2S-A	0,6	

Type M

1 Entry / 3 Exits

Contact Assignment

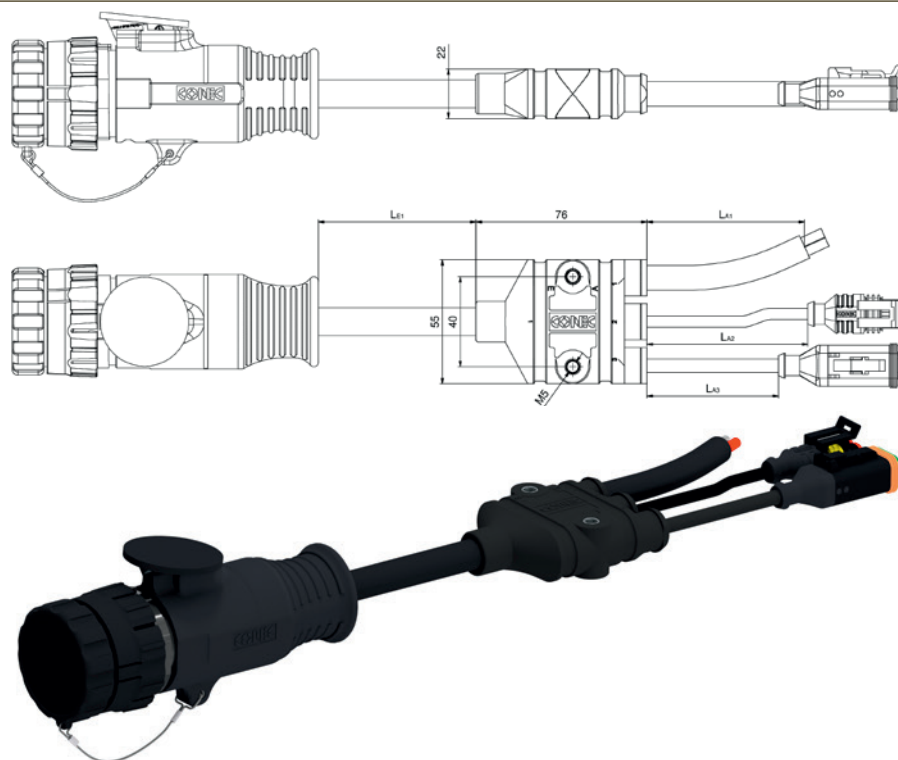


Entry _{E1-3}	Type	Length L_{E1-3} [m]	Distribution type	Exit _{A1-3}	Type	Length L_{A1-3} [m]	Article
E1	DT04-4P-A	0,6	M	A1	DT06-2S-B	0,6	55-20002
E2	–	–		A2	DT06-2S-B	0,6	
E3	–	–		A3	DT06-2S-B	0,6	

Type L

1 Entry / 3 Exits

Contact Assignment

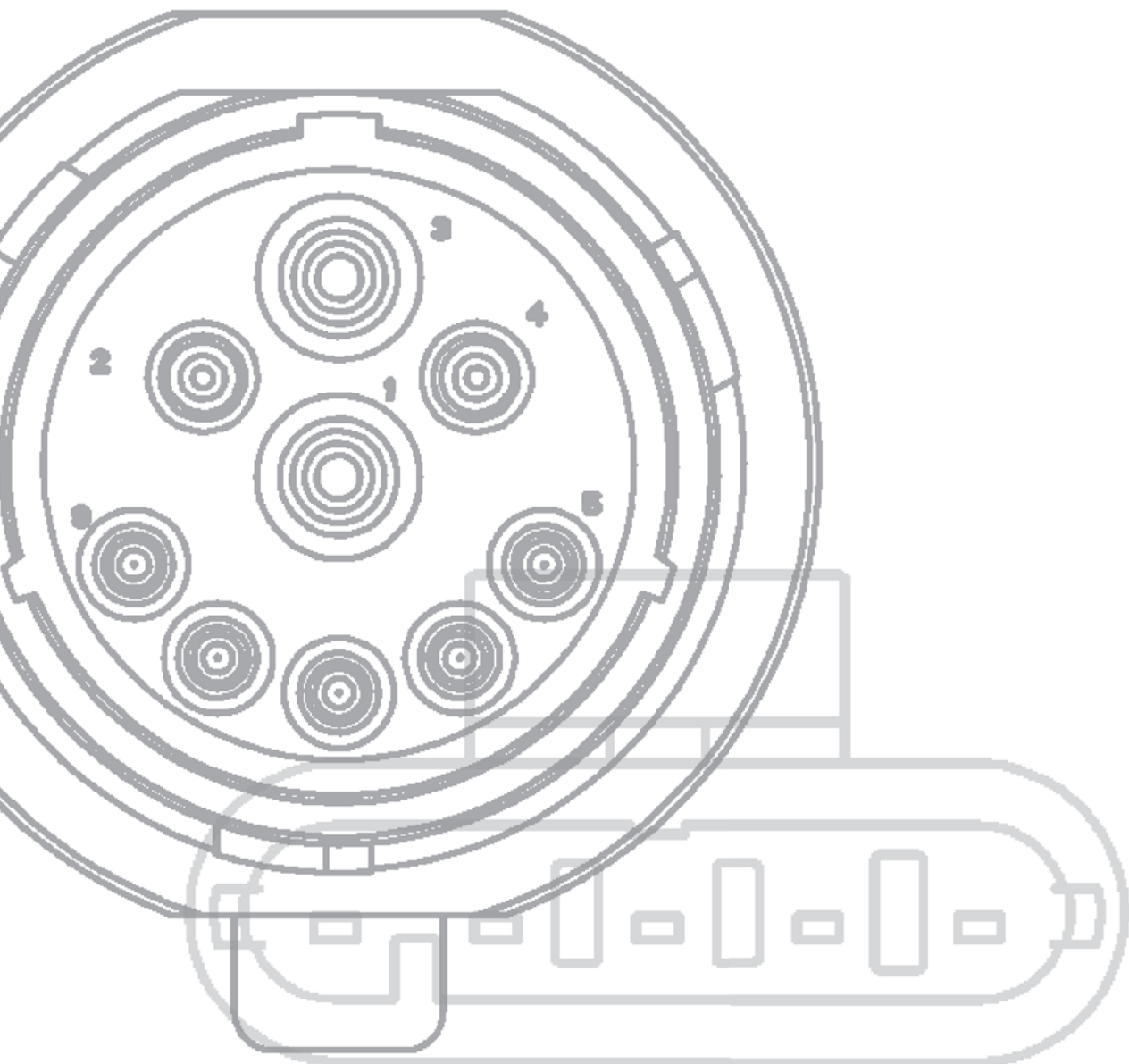


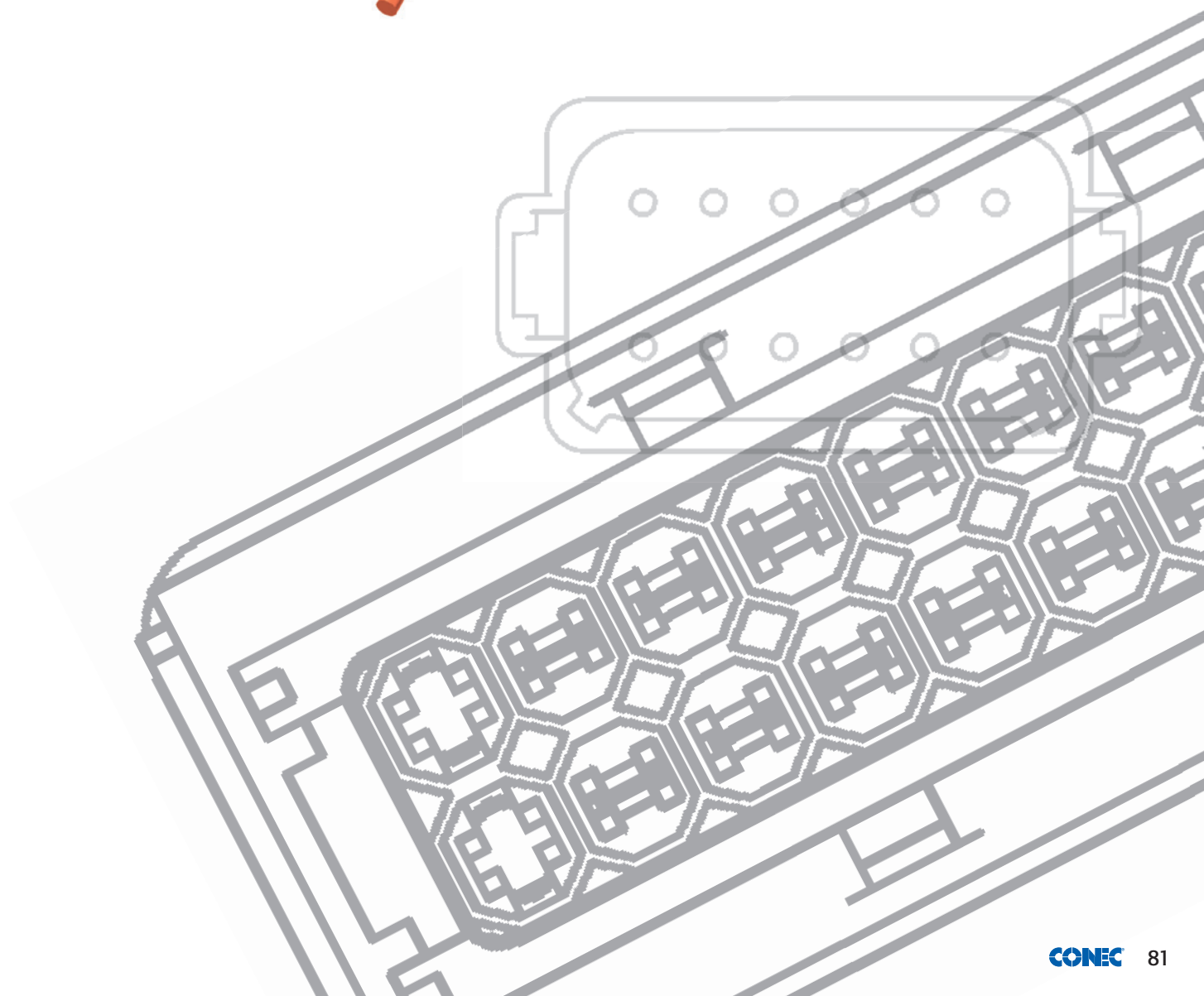
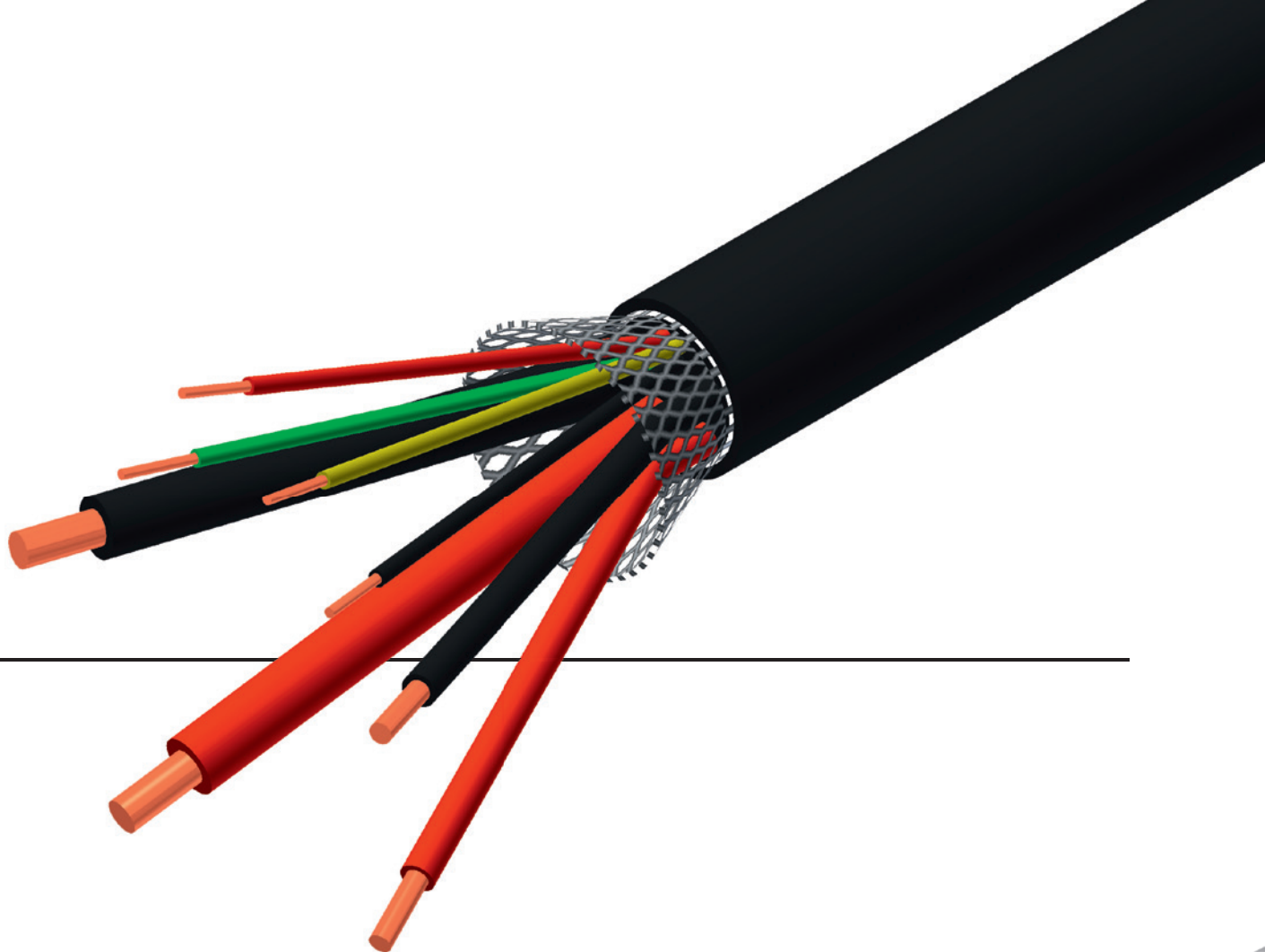
E1 PIN 1 (6mm ²)	—	A1 PIN 1
E1 PIN 2 (2,5mm ²)	—	A1 PIN 2
E1 PIN 3 (6mm ²)	—	A2 PIN 1
E1 PIN 4 (2,5mm ²)	—	A2 PIN 2
E1 PIN 5 (2,5mm ²)	—	A2 PIN 2
E1 PIN 6 (0,5mm ²)	—	A3 PIN 1
E1 PIN 7 (0,5mm ²)	—	A3 PIN 2
E1 PIN 8 (0,5mm ²)	—	A3 PIN 3
E1 PIN 9 (0,5mm ²)	—	A3 PIN 4

Entry E1	Type	Length L _{E1-3} [m]	Distribution type	Exit A1-4	Type	Length L _{A1-4} [m]	Article
E1	HDP26	2,5	L	A1	Leitung	1,2	55-20003
				A2	VSS1.5-2S-A	1,0	
				A3	DT06-4S-A	1,0	
				A4	—	—	

SECTION 7

TECHNICAL INFORMATION





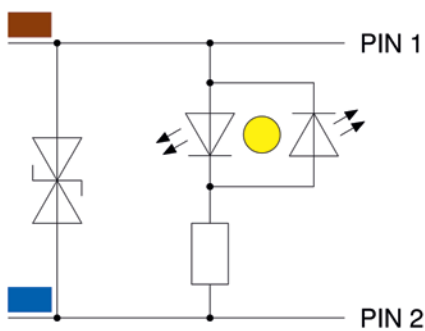
Protection circuits
2- and 3-pos. DT connectors

Protection circuits are currently available in 3 different versions.

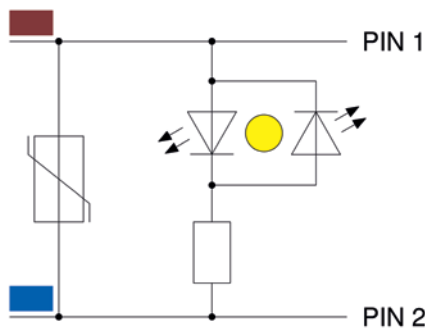
- 1) Protection circuit with suppressor diode + 2 LEDs (yellow)
- 2) Protection circuit with varistor + 2 LEDs (yellow)
- 3) Protection circuit with freewheeling diode + 1 LED (yellow)

Protection circuits with suppressor diode or varistor:

With suppressor diode:



With varistor:



The protection circuits with suppressor diode and varistor are designed bi-directionally. Thus, they can be operated both with DC and AC voltage regardless of the polarity.

These two circuit versions are used to protect downstream electronic circuits against temporary overvoltages. Such overvoltages may be caused by switching operations in the system and the resulting voltage pulses may be of negative as well as of positive nature. The pulses are limited by the respective protection element to defined voltages above the operating voltage of the protection element.

The protective circuits with varistor and suppressor diode differ in the technical specifications shown below:

	Suppressor diode	Varistor
Response	+	-
Breakthrough area	+	-
Energy absorption	-	+

In general, suppressor diodes respond slightly faster than varistors and in a closer breakthrough area, which is closer to the operating voltage of the protection element breakthrough area. However, varistors are able to absorb higher amounts of energy than suppressor diodes.

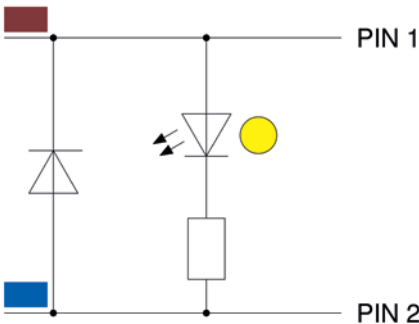
As a result of the faster response, suppressor diodes are perfectly suitable in areas of input / output interfaces and sensitive circuits.

Varistors are preferably used on supply lines and inductive loads.

Protection circuits
2- and 3-pos. DT connectors

Protective circuit with freewheeling diode:

With freewheeling diode:



In contrast to the aforementioned circuits, the protective circuit with freewheeling diode is unipolar and may be operated with DC voltage only with defined polarity. It serves to protect against negative voltage peaks which may occur when switching off inductive loads. Positive overvoltages, however, are not limited by this circuit.

Summary

Due to the bi-directional design of suppressor diode and varistor, these protection circuits allow for protection against negative as well as against positive overvoltage. However, with these designs, the reverse voltage is higher than the forward voltage of a freewheeling diode. The forward voltage of a freewheeling diode is below the operating voltage of the system. The overvoltage pulse may be limited with a freewheeling diode to values below 1 VDC, which is not possible with the bi-directional behavior of suppressor diode and varistor.

Typical applications:

Circuit design	
Suppressor diode / Varistor	Freewheeling diode
• Drive technology • Engine management • Safety equipment such as airbags and stability control • Entertainment and comfort accessories • Controllers	Directly on • Relays • Solenoid valves

TECHNICAL INFORMATION

Cable qualities

Cable unshielded DT/Superseal/CPC Series

TPU, halogenfree, for drag chain applications

K1 = Li9Y11Y, 300 V, halogenfree, for drag chain applications



Wire cross section [mm²]	Number of wires	Color cable jacket	Certification	Wire colors	Datasheet No.
0.75	2	black	cULus 20549	BN - BU	781- K1 7200
	3		cULus 20549	BN - BU - GN/YE	781- K1 7300
			cULus 20549	BN - BU - BK	781- K1 730G
	4		cULus 20549	BN - BU - BK - GN/YE	781- K1 7400
			cULus 20549	BN - WH - BU - BK	781- K1 740G
	5		cULus 20549	BN - WH - BU - BK - GN/YE	781- K1 7500
			cULus 20549	BN - WH - BU - BK - GY	781- K1 750G
	6		cULus 20549	WH -BN - GN - YE - GY - PK	781- K1 7600
	8		cULus 20549	WH -BN - GN - YE - GY - PK - BL - RD	781- K1 7800
	12		cULus 20549	BN - BU - WH - GN - PK - YE - BK - GY - RD - VT - GY/PK - RD/BU	781- K1 7120
1,5	3	cULus 20549	BN - BU - GN/YE	781- K1 8300	
		cULus 20549	BN - BU - BK	781- K1 830G	

Hybrid cable ISOBUS

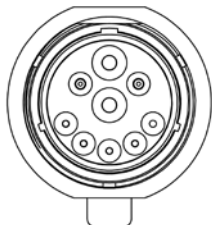
TPU

	4x0.50 + 2x2.50 + 2x6.00	4x2x2	black	yes	BK - YE - GN - RD - BK - RD - BK - RD	ISO 600P: 781-BS0097
	4x0.50 + 2x2.50 + 2x10.00	4x2x2			BK - YE - GN - RD - BK - RD - BK - RD	ISO 1000P: 781-BS0177
	4x0.50 + 2x2.50 + 2x16.00	4x2x2			BK - YE - GN - RD - BK - RD - BK - RD	ISO 1600P: 781-BS0119

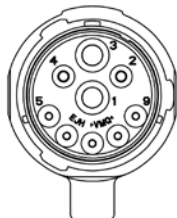
Overview pin assignment

ISOBUS - Connectors overmoulded, female/male

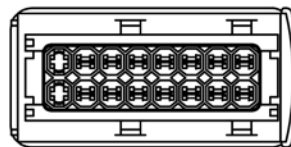
JPT - Connector



Female
9-pos.

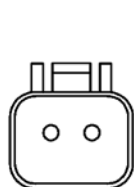


Male
9-pos.

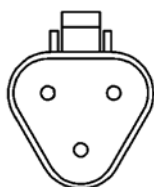


Female
16-pos.

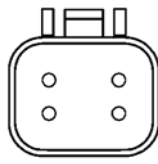
DT-Series 06 (Housing for socket contacts)



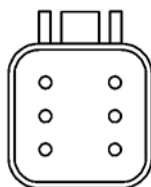
2-pos.



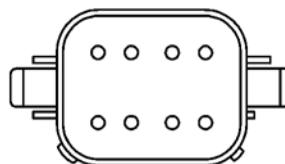
3-pos.



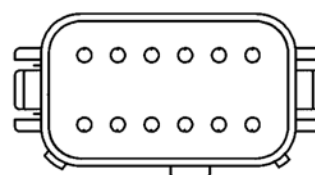
4-pos.



6-pos.



8-pos.
A-coded



12-pos.
A-coded

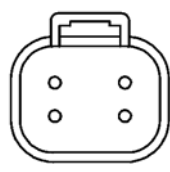
DT-Series 04 (Housing for plug contacts)



2-pos.



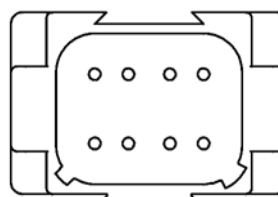
3-pos.



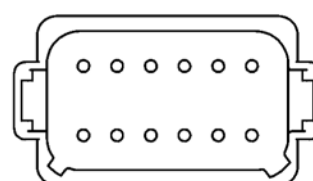
4-pos.



6-pos.



8-pos.
A-coded



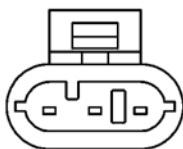
12-pos.
A-coded

Overview pin assignment

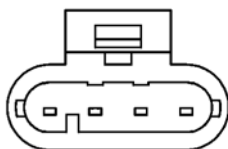
Superseal-series VSS1.5 (Housing for socket contacts)



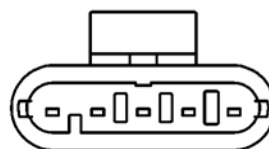
2-pos.



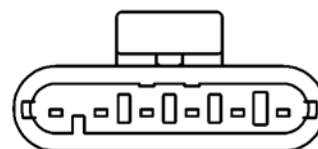
3-pos.



4-pos.

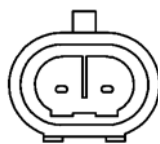


5-pos.

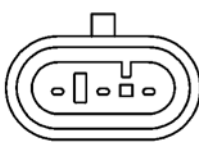


6-pos.

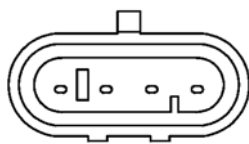
Superseal-series VSS1.5 (Housing for plug contacts)



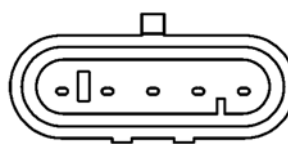
2-pos.



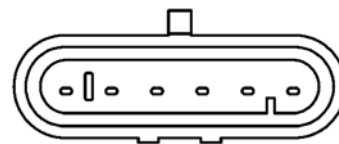
3-pos.



4-pos.

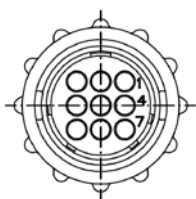


5-pos.

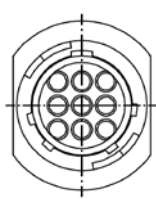


6-pos.

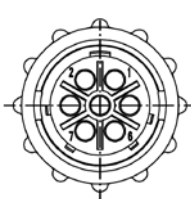
CPC-Series housing size 13 + 17



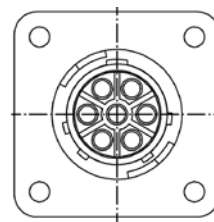
Housing size 13
Female 9 pos.



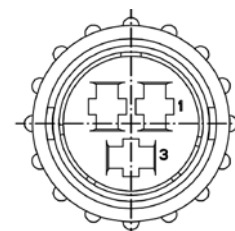
Housing size 13
Male 9 pos.



Housing size 13
Female 7 pos.



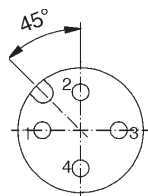
Housing size 13
Male 7 pos.



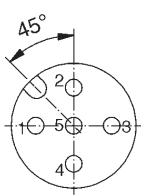
Housing size 17
Female 3 pos.

Overview pin assignment

12x1 connectors overmoulded, female

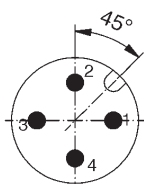


Female connector
4-pos.
A-cod.

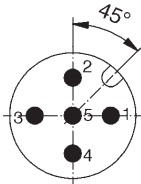


Female connector
5-pos.
A-cod.

12x1 connectors overmoulded, male



Male connector
4-pos.
A-cod.



Male connector
5-pos.
A-cod.

Protection classes

Norm IEC 60529

IP = International Protection

Code number 1 =
Protection against
contact and foreign bodies

Code number 2 =
Protection against water

IP 67

For safety reasons, connectors have to be protected against external influences like dust, foreign objects, direct contact, moisture and water. For industrial connectors, this protection is provided by their housings with their latching devices and sealed cable entries. The protection classes are also called IP Codes. The abbreviation IP stands for "ingress protection". Standard IEC 60529 specifies and divides the degree of protection into several classes.

The protection classes refer to protection against contact and ingress of solid foreign objects and dust (indicated by the first code digit of the IP Code) as well as against damaging ingress of water (indicated by the second code digit of the IP Code)

PROTECTION CLASS OVERVIEW

First code digit	Protection against ingress of foreign objects Protection against contact	Second code digit	Protection against water	Examples
0	Not protected	0	Not protected	
1	Protection against ingress of solid foreign objects with diameters > than 50 mm Protected against access with the back of the hand	1	Protection against vertically dripping water	
2	Protection against ingress of solid foreign objects with diameters > than 12.5 mm Protected against access with a finger	2	Protection against dripping water with 15° inclination	
3	Protection against ingress of solid foreign objects with diameters > than 2.5 mm Protected against access with a tool	3	Protection against spray water inclined up to 60°	
4	Protection against ingress of solid foreign objects with diameters > than 1 mm Protected against access with a wire	4	Protection against splashing water	
5	Protected against dust in harmful quantities Complete protection against contact	5	Protection against jet water	
6	Dust-proof Complete protection against contact	6	Protection against powerful jets of water	
		7	Protection against temporary immersion (max. water depth 1 m)	 max. 30 min
		8	Protection against constant immersion beyond 1 m An additionally indicated number stands for the maximum immersion depth in meters.	
		9K	Protection against very strong jets of water, e.g. from high-pressure steam jet cleaners for vehicles.	

Electrotechnical information

Voltage grading of connectors (insulation coordination)

Clearances and creepage distances are the base of voltage grading of connectors.

The following standard apply for this:

IEC 60664-1

Insulation coordination for equipment within low-voltage systems

Insulation coordination comprises the selection of the electrical insulation performances of an equipment (e.g. connector), taking into account the expected use and its environment.

Explanation of some terms:

– Rated voltage

The value of voltage assigned by the manufacturer to the connector and to which operation and performance characteristics are referred.

– Rated impulse voltage

The value of an impulse withstand voltage assigned by the manufacturer to the connector characterising the specified withstand capability of its insulation against transient overvoltages.

– Clearance

The shortest distance in air between two conductive parts.

– Creepage distance

The shortest distance along the surface of the insulating material between two conductive parts.

– Pollution degree

The expected pollution around the equipment (e.g. connector) was established in the standard in four degrees:

Pollution degree 1

No pollution or only dry, non-conductive pollution occurs. The pollution has no influence.

Examples: The inside of electrical measuring instruments, electronic measuring devices.

Pollution degree 2

Only non-conductive pollution occurs. Except that occasionally a temporary conductivity caused by condensation is to be expected.

Examples: Household appliances, installation material, lamps, power supplies of office equipment.

Pollution degree 3

Conductive pollution occurs or dry non-conductive pollution occurs which becomes conductive due to condensation which is to be expected.

Examples: Electrical equipment of machine tools and processing machines, low voltage switches at machine tools.

Pollution degree 4

The pollution generates persistent conductivity caused by conductive dust or by rain or snow.

Examples: Equipment on wagon roofs and beneath wagons at electrical locomotives, rail cars, trolley busses. Equipment at electrical locomotives underground.

Additional remarks:

If connectors being defined for pollution degree 1 and overvoltage categorie 1 are applied for other conditions (higher pollution degree and higher overvoltage category), voltage levels reduce correspondingly. But the connectors can be used without any problems at reduced maximum voltages.

It has to be noted that for a connector with a degree of protection of at least IP54 the parts inside the enclosure may be dimensioned for a lower pollution degree. This also applies to mated connectors whose enclosure is ensured through the connector housing and which may only be disengaged for test and maintenance purposes.

Electrotechnical information

Voltage grading of connectors (insulation coordination)

– Overvoltage categories

The standard has divided the possible overvoltages into four categories. The three categories which relate to connectors are shortly described below:

Overvoltage category I

Equipment (e.g. connectors) intended for the use in applications or parts of installations in which no overvoltage can occur.

Examples are low voltage equipments.

Overvoltage category II

Equipment (e.g. connectors) intended for the use in installations or parts of it, in which lightning overvoltages do not need to be considered, however switching overvoltages generated by the equipment. Examples are household appliances.

Overvoltage category III

Equipment (e.g. connectors) intended for the use in installations or parts of it in which lightning overvoltages do not need to be considered, however switching overvoltages generated by the equipment, and for cases where the reliability and the availability of the equipment (e.g. connectors) or its dependent circuits are subject to special requirements. Examples are protecting means, switches and sockets.

–Material groups

For the dimensioning of the creepage distance, the tracking formation of the insulating material used by the manufacturer has to be considered. The materials are separated into three groups according to their CTI values (Comparative Tracking Index):

Material group I $600 \leq \text{CTI}$

Material group II $400 \leq \text{CTI} < 600$

Material group III $175 \leq \text{CTI} < 400$

Electrotechnical information

American Wire Gauges

The American Wire Gauge AWG is also found in various areas of the automation industry use .
The following table is used for the conversion of AWG Supports at in mm² .

AWG	Wire composition [mm]	Wire-Ø [mm]	Wire cross section [mm ²]
30	1 x 0.25	0.25	0.05
	7 x 0.10	0.36	0.06
28	1 x 0.32	0.32	0.08
	7 x 0.13	0.38	0.09
26	1 x 0.40	0.4	0.13
	7 x 0.16	0.48	0.14
	19 x 0.10	0.51	0.15
24	1 x 0.51	0.51	0.21
	7 x 0.20	0.61	0.22
	19 x 0.13	0.64	0.25
22	1 x 0.51	0.64	0.33
	7 x 0.20	0.76	0.34
	19 x 0.13	0.81	0.38
20	1 x 0.81	0.81	0.52
	7 x 0.32	0.97	0.56
	19 x 0.20	1.02	0.6
18	1 x 1.02	1.02	0.82
	19 x 0.25	1.27	0.93
16	19 x 0.29	1.44	1.25
14	19 x 0.36	1.8	1.93
12	19 x 0.46	2.29	3.16
10	19 x 0.40	3.1	4.65

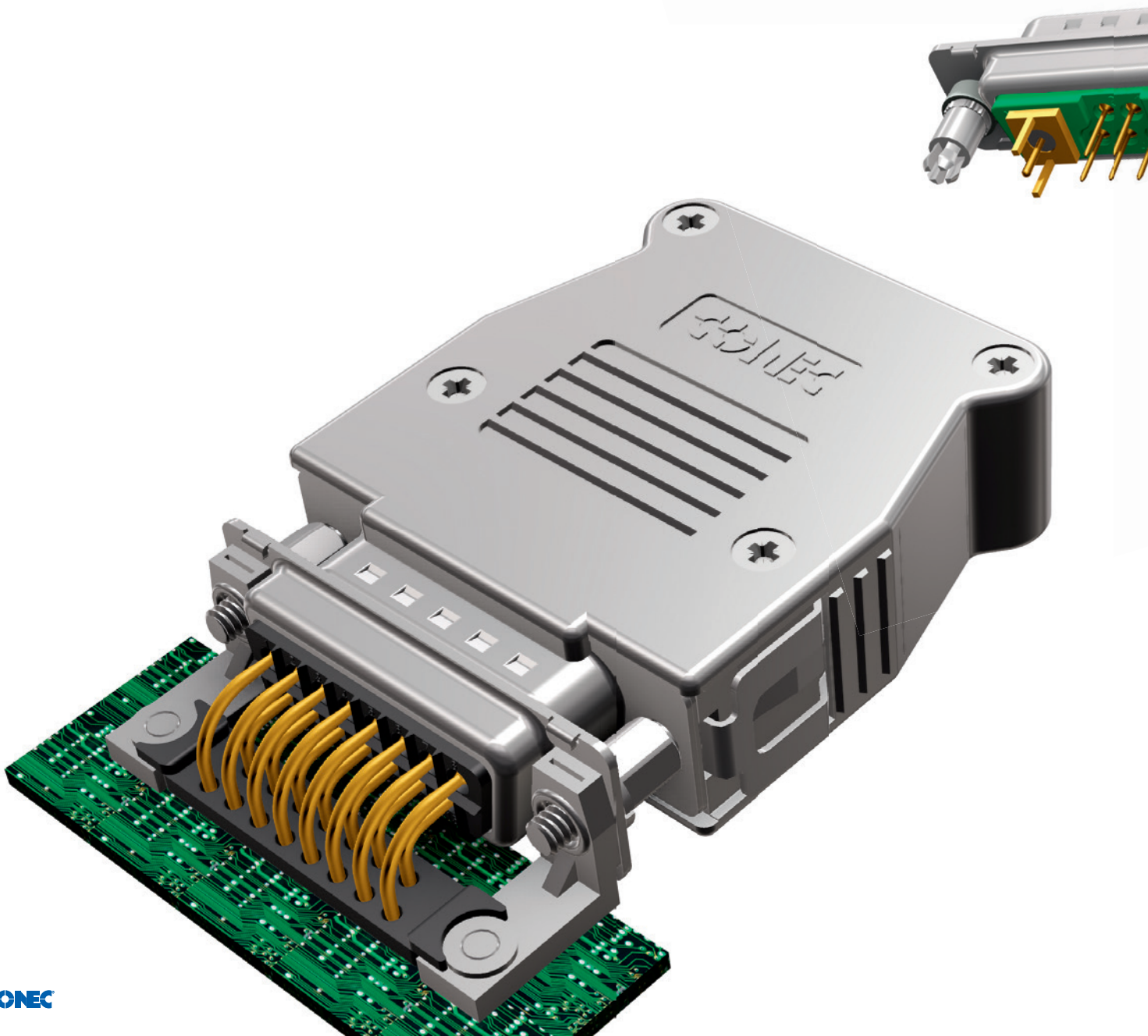
Note: Due to different Core structure at the same AWG creates a different.

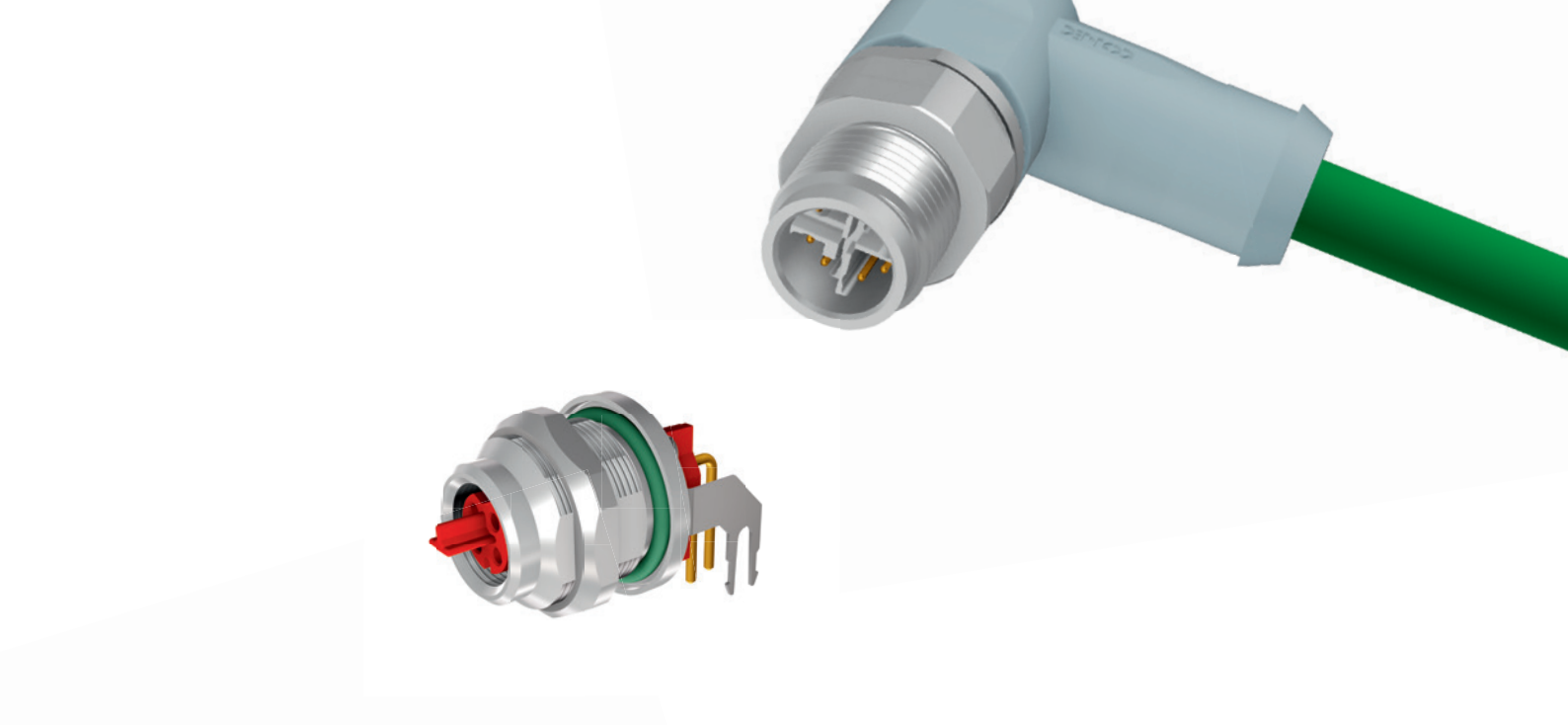
Construction and dimension for standard copper cable according IEC 60228

Wire cross section [mm ²]	Wire composition [mm]	Wire-Ø [mm]
0.09	12 x 0.10	0.5
0.14	18 x 0.10	0.5
0.25	14 x 0.16	0.7
	32 x 0.10	0.7
0.34	19 x 0.16	0.8
	42 x 0.10	0.9
0.5	7 x 0.30	1
	16 x 0.21	1.1
	28 x 0.16	1.1
0.75	7 x 0.37	1.2
	24 x 0.21	1.2
	42 x 0.16	1.3
1.0	7 x 0.43	1.4
	32 x 0.21	1.4
	56 x 0.16	1.5
1.5	7 x 0.52	1.6
	30 x 0.26	1.7
	84 x 0.16	1.8
2.5	7 x 0.67	2.2
	50 x 0.26	2.3
	140 x 0.16	2.3
4.0	7 x 0.85	2.7
	56 x 0.31	2.8
	224 x 0.16	2.9

SECTION 8

ADDITIONAL PRODUCT CATEGORIES





ADDITIONAL CONEC PRODUCT CATEGORIES

CONEC Hybrid connectors



Details

- Size: B12, B17, B23, B40
- Coding: 1, 2, 3, 4, 5, 6
- Number of poles power: 2, 2+PE, 3+PE, 4+PE, 3+PE+2
- Number of poles data: 4 (transmission according IEC11801 Cat 5)
- Configuration: Connector axial overmoulded, Connector axial field attachable, sockets axial, sockets angled rotatable (B23)
- Bayonet locking
- Degree of protection: IP67

Benefits

- Space-saving by transmitting data and power with one connector
- Quick and secure connection by bayonet locking
- Compact and robust design
- Adjustable direction of outlet (B23 receptacle angled)

Circular connectors overmoulded (signal transmission)



Details

- Size: M8x1, M12x1, 7/8", Rund24
- Coding: A, B, C
- Number of poles: 3, 4, 5, 6, 8, 12, 2+PE, 3+PE, 4+PE
- Configuration: axial or angled, shielded or unshielded
- Optional with LED
- Termination: screw-, snap-, screw-/snap-termination
- Degree of protection: IP67

Benefits

- Robust design with minimum space requirements
- Mating can be controlled with torque wrench
- Vibration proof screw lock
- Application-related cable qualities

ADDITIONAL CONEC PRODUCT CATEGORIES

Circular connectors field attachable (signal transmission)



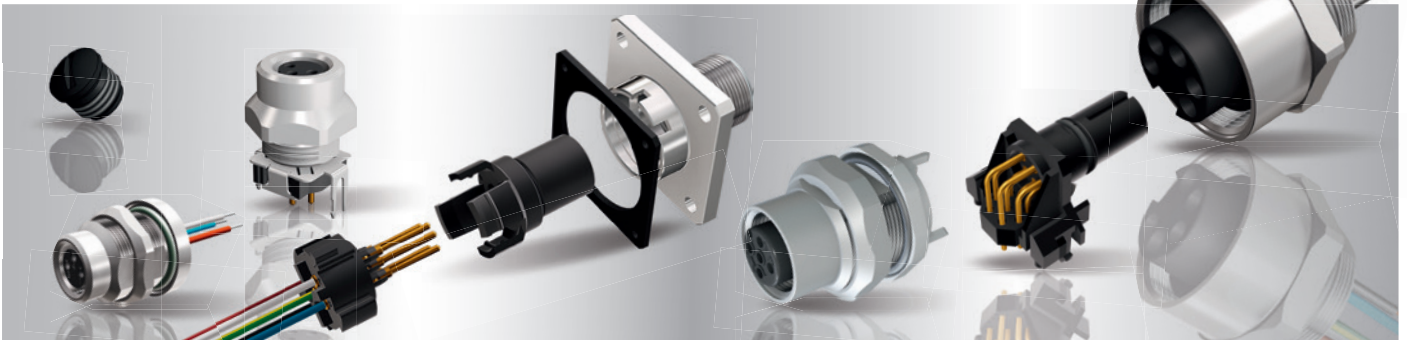
Details

- Size: M8x1, M12x1, 7/8", Rund24
- Coding: A
- Number of poles: 3, 4, 5, 8, 2+PE, 3+PE, 4+PE, 6+PE
- Configuration: axial or angled, shielded or unshielded
- Termination: solder-, clamp-, screw-, crimp termination
- Degree of protection: IP67

Benefits

- Mating can be controlled with torque wrench
- Easy field attachable without special tools
- M12x1 cable cross section 1.5 mm² (Crimp max. 1.0 mm²)
- Vibration proof screw lock

Sockets (signal transmission)



Details

- Size: M8x1, M12x1, 7/8"
- Coding: A, B
- Number of poles: 3, 4, 5, 6, 8, 12, 2+PE, 4+PE
- Male socket, female socket
- Configuration: axial or angled
- Field attachable crimp version
- Assembly: Protection cap
- Front and back panel mounting
- Degree of protection: IP67

Benefits

- Colored contact insulators to avoid wrong plugging
- High number of poles with minimum space requirements
- Direct circuit board mounting
- Protection of unused interfaces

ADDITIONAL CONEC PRODUCT CATEGORIES

Sockets SMT/THR (signal transmission)



Details

- Size: M8x1 SMT/THR, M12x1 SMT
- Coding: A, B
- Number of poles: 3, 4, 5, 8
- Male socket, female socket
- Configuration: axial, shielded or unshielded
- Front and back panel mounting
- Degree of protection: IP67

Benefits

- Automated assembly (SMT)
- High number of poles with minimum space requirements
- Low forces on the board
- Low contact resistance on the shielding
- Large tolerance compensation between board and housing

Panel plugs



Details

- Size: M8x1, M12x1
- Coding: A
- Number of poles: 3, 4, 5, 8
- With LED preparation
- Configuration: axial
- Housing configuration: Plastic, metal, metal/plastic transparent
- Termination: solder-, print termination
- Degree of protection: IP67

Benefits

- Easy installation in housing by pushing in
- Low installation height
- Various connection possibilities

ADDITIONAL CONEC PRODUCT CATEGORIES

Power connectors



Details

- Size: M12x1, 7/8", Rund24
- Coding: L, S, T
- Number of poles: 3, 4, 2+PE, 3+PE, 4+PE, 4+FE, 6+PE
- Configuration: axial or angled
- Degree of protection: IP67

Benefits

- Transmission of high currents
- Mating can be controlled with torque wrench
- Defined tightening torque
- Polarity reversal prevented with coded insulators
- Robust design with minimum space requirements

High Temperature/Food & Beverage connectors



Details

- Size: M8x1, M12x1
- Coding: A
- Number of poles: 3, 4, 5
- Female connector, male connector
- Optional with LED
- Temperature-resistant up to 125 °C (HT)
- Degree of protection: IP65 (HT), IP67/IP69K (F&B)

Benefits

- Resistance to commercial aggressive cleaning agents
- Robust design with minimum space requirements
- Mating can be controlled with torque wrench
- Vibration proof screw lock
- Use in constantly high ambient temperatures

ADDITIONAL CONEC PRODUCT CATEGORIES

Connectors for BUS-Systems



Details

- Size: M8x1, M12x1, 7/8", RJ45
- Coding: B, D, P, X
- Number of poles: 4, 8
- Profibus DP
- DeviceNet
- Industrial Ethernet 100 MHz
- EtherCAT P
- 10 Gigabit Ethernet
- Configuration: axial or angled

Benefits

- Robust design with minimum space requirements
- Vibration proof screw lock
- SMT versions for automatic placement
- High data transmission up to 10 Gbit/s (X-cod.)
- Flexible cabling in the field by field attachable variants

Junction systems



Details

- Size: M8x1, M12x1
- Number of poles: 3, 4, 5, 8, 4+PE
- 1:1 wiring
- Signal distribution
- Assembly: retaining clip, protection caps
- Degree of protection: IP67

Benefits

- Reduction of installation costs
- Space saving design
- Robust design with minimum space requirements
- Signals and power are transmitted by standardized plug systems
- Back-to-back assembly with retaining clip

ADDITIONAL CONEC PRODUCT CATEGORIES

IP67 Power Bayonet



Details

- No. of poles: 2, 2+PE
- Receptacle male and female
- Cable connector male and female
- Degree of protection: IP67

Benefits

- Use in harsh environments
- Secure and easy locking by bayonet lock
- Cable to cable connection available
- High current carrying capability

IP67 Mini USB, USB 2.0, USB 3.0 connectors



Details

- Type: USB 3.0 Type A
- Type: USB 2.0 Type A, Mini USB Type A
- Housing: plastic, plastic metallized, zinc die-cast
- Locking: bayonet, M28
- Termination: soldering, PCB
- Front- and back panel mounting
- Adapters
- Degree of protection: IP67
- Degree of protection: IP20 (patch cord)

Benefits

- Use in harsh environments
- Secure and easy locking by bayonet lock
- Light-weight versions ideal for portable devices

ADDITIONAL CONEC PRODUCT CATEGORIES

IP67 RJ45 Industrial Ethernet connectors



Details

- Housing: plastic, plastic metallized, zinc die-cast
- Locking: bayonet, M28
- Termination: soldering, IDC, screw
- Front- and back panel mounting
- UTP Cat 5e, STP Cat 5e, S/STP Cat 6A
- Degree of protection: IP67
- Degree of protection: IP20 (patch cord)

Benefits

- Use in harsh environments
- Easy and secure locking by bayonet lock
- Front- and back panel mounting
- Light-weight versions
- Colored interface encoding available
- Cat. 6A variants up to 10 GBit /s

IP67 Fiber Optic LC Duplex



Details

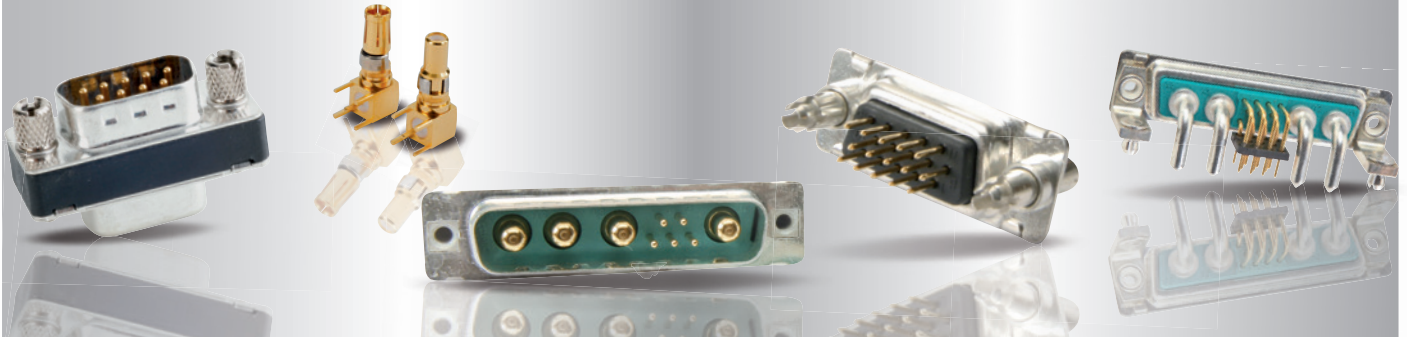
- Housing: plastic, plastic metallized, zinc die-cast
- Locking: bayonet
- Single Mode, Multi Mode, APC Single Mode
- Front- and back panel mounting
- Degree of protection: IP67

Benefits

- Use in harsh environments
- Secure and easy locking by bayonet lock
- Extended temperature range
- Interference-free safe data transmission
- Cost efficiency by integrated IP67 protection

ADDITIONAL CONEC PRODUCT CATEGORIES

D-SUB connectors standard/high density/combination



Details

- Shell: steel tin plated, brass tin plated, stainless steel
- Termination: solder pin straight/angled, press-fit straight, solder cup, wire wrap, crimp
- Quality class: up to quality class 1

Benefits

- One interface for power, RF and control signals
- Space saving
- Cost saving – all in one connectors
- Low magnetic versions possible
- Customer-specific solutions possible
- Quick and easy locking and unlocking (SnapLock)

D-SUB filter standard/high density/combination



Details

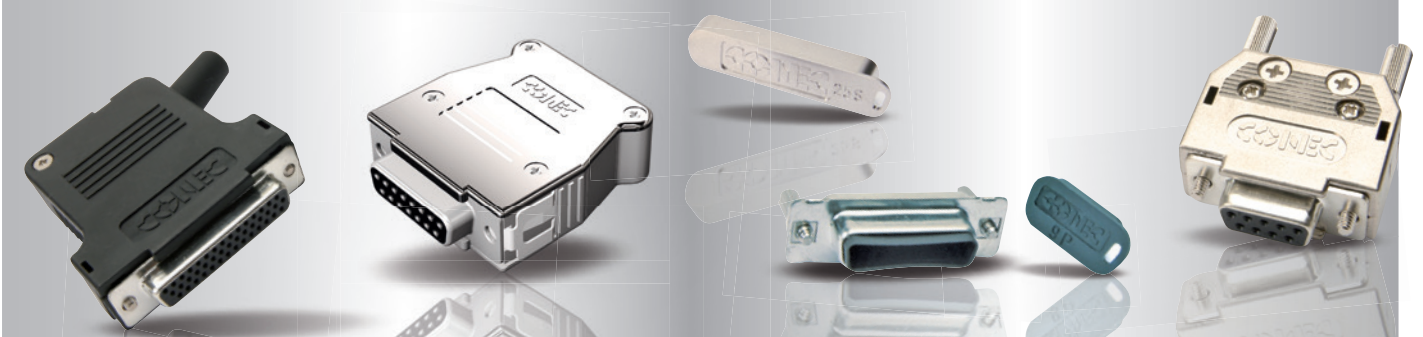
- Shell: steel tin plated, brass tin plated
- Termination: solder pin, solder cup
- Filter type: C-Filter, LC-Filter, Pi-Filter
- High DWV

Benefits

- Filtering directly at interface
- Can be used without PCB Redesign
- Filter-adapter for retrofitting existing systems
- Up to 3-step low-pass filters
- Selective filtering
- Mixed capacitance
- Low magnetic versions
- Space saving on PCB

ADDITIONAL CONEC PRODUCT CATEGORIES

D-SUB hoods



Details

- Shell size: 1-5
- Shell: plastic, plastic metallized, metal
- Cable entry: straight, lateral, multiple
- CONEC SnapLock version

Benefits

- Large space for combination D-SUB
- Screw latching or slide locking
- Quick and easy locking (CONEC SnapLock)
- Touch protection of termination side
- For round and flat ribbon cables

IP67 D-SUB connectors standard/ high density/combination



Details

- Shell: brass tin plated, stainless steel
- One-piece shell (Solid Body): zinc die-cast
- One-piece shell (CONEC SlimCon): zinc die-cast, small installation space requirements
- Front- and back panel mounting
- Frame design: zinc die-cast nickel plated
- Termination: solder pin straight/angled, solder cup
- Degree of protection: IP67

Benefits

- Use in harsh environments
- Precision machined contacts
- Suitable for post overmolding (solder cup CONEC SlimCon)
- Flexible mounting options

ADDITIONAL CONEC PRODUCT CATEGORIES

IP67 D-SUB filter standard/high density



Details

- Shell: brass tin plated
- Termination: solder pin, solder cup
- Filter type: C-Filter up to 1300 pF (D-SUB) up to 1000 pF (HD-SUB)
- Degree of protection: IP67
- CONEC SlimCon variants for small space requirements

Benefits

- Filtering directly at interface
- Can be used without PCB redesign
- Use in harsh environments
- Selective filtering
- Mixed capacitance
- Low magnetic versions
- Space saving on PCB
- EMC gasket for SlimCon variants available

IP67 D-SUB hoods



Details

- Shell size: 1-5
- Shell: plastic, plastic metallized
- Degree of protection: IP67

Benefits

- Compact design
- Integrated cable gland
- Large space for combination D-SUB
- With shield connection
- Assembly without special tools

ADDITIONAL CONEC PRODUCT CATEGORIES

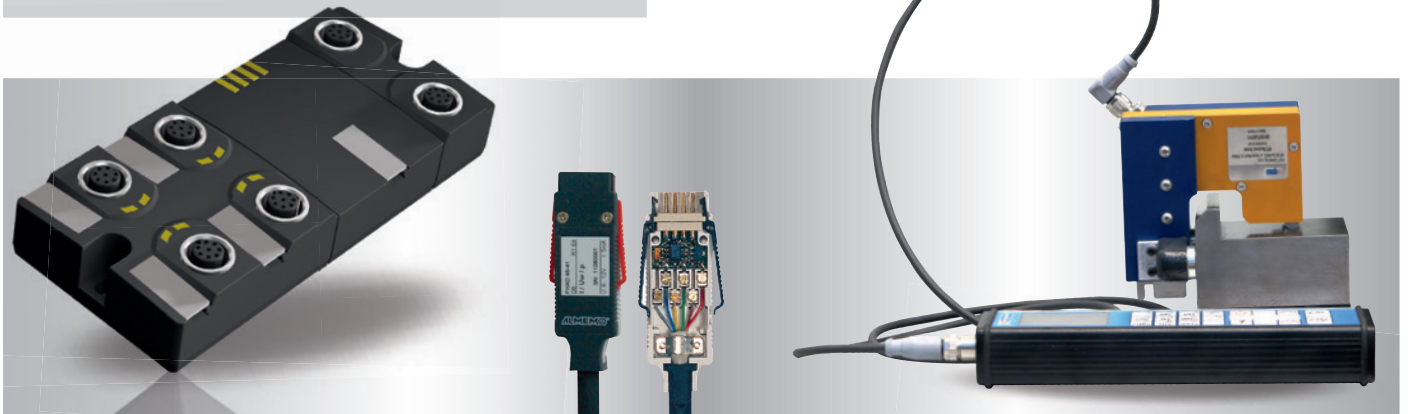
PCB connectors



Overview

- DIN EN 60603-2
- DIN 41617
- AdvancedTCA
- Flat cable connector
- CompactPCI
- PC104/PC104Plus

Customized products



Many things are possible

Are you looking for application-specific solutions?

Please contact us – our expert team will support you from the product concept up to optimised serial production.

- Special interconnect solutions to customer specifications
- Prototypes and small series production batches
- Connectors with increased IP ratings for harsh environments
- Enclosure technology for industrial use

PART NUMBER INDEX

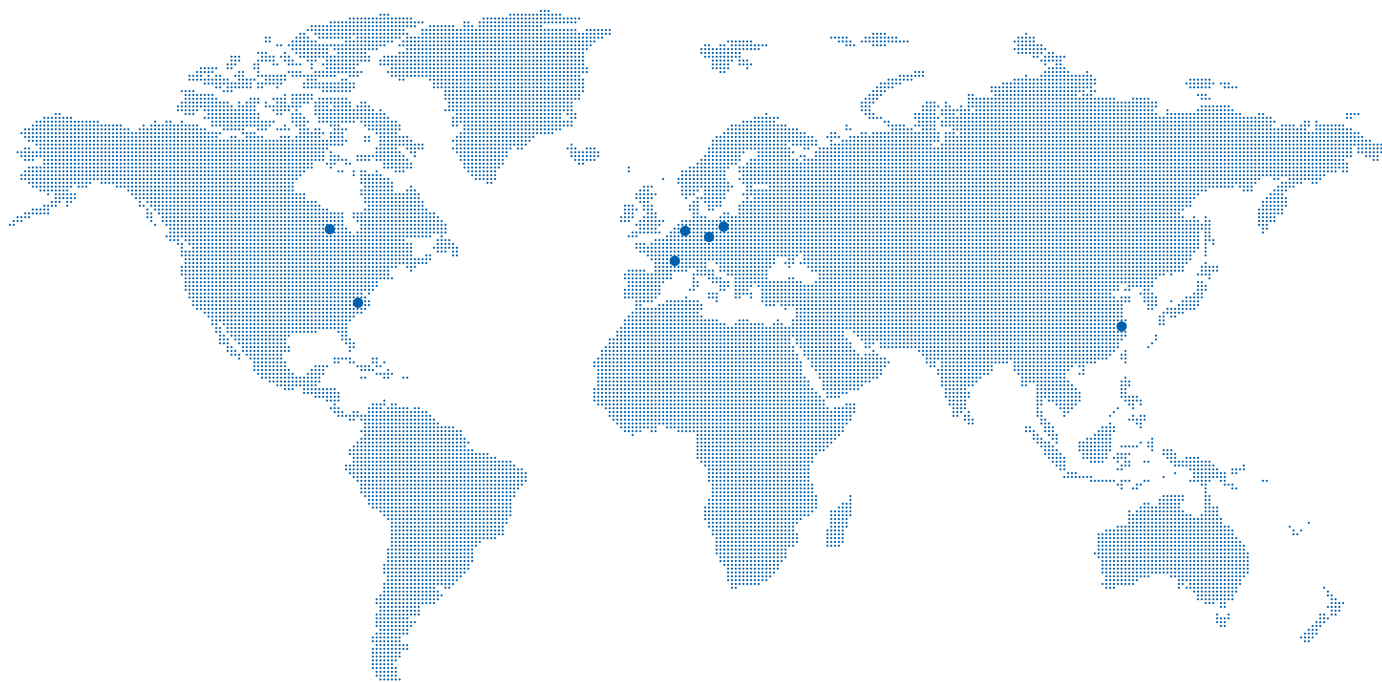
Numeric

Part number	Page	Part number	Page	Part number	Page	Part number	Page	Part number	Page
43-20337	72	55-00483	20	55-00645	53	55-00845	32	55-10076	12
43-20339	72	55-00501	34	55-00646	53	55-00846	32	55-10077	12
43-20340	72	55-00502	34	55-00647	54	55-00847	32	55-10078	12
43-20341	73	55-00503	34	55-00648	54	55-00848	32	55-10100	10
43-20343	73	55-00504	34	55-00649	54	55-00849	32	55-10101	10
43-20344	73	55-00505	34	55-00650	54	55-00850	27	55-10102	10
43-20345	72	55-00506	34	55-00651	54	55-00851	27	55-10113	10
43-20347	72	55-00507	36	55-00652	54	55-00852	27	55-10114	10
43-20348	72	55-00508	36	55-00687	18	55-00853	27	55-10115	10
43-20349	73	55-00509	36	55-00688	18	55-00854	27	55-10118	11
43-20351	73	55-00510	36	55-00689	18	55-00855	27	55-10119	11
43-20352	73	55-00511	36	55-00690	18	55-01149	52	55-10120	11
43-20353	72	55-00512	36	55-00691	18	55-01153	23	55-10121	11
43-20355	72	55-00526	38	55-00692	18	55-01155	31	55-10122	11
43-20356	72	55-00527	38	55-00700	18	55-01156	35	55-10123	11
43-20357	73	55-00528	38	55-00701	18	55-01157	39	55-10124	11
43-20359	73	55-00529	40	55-00702	18	55-01296	23	55-10125	11
43-20360	73	55-00530	40	55-00703	18	55-01297	26	55-10126	11
43-20361	72	55-00531	40	55-00704	18	55-01298	48	55-10127	11
43-20363	72	55-00532	38	55-00705	18	55-01299	49	55-10128	11
43-20364	72	55-00533	38	55-00720	27	55-01300	48	55-10129	11
43-20365	73	55-00534	38	55-00721	27	55-01301	50	55-10130	12
43-20367	73	55-00535	40	55-00722	27	55-01319	26	55-10131	12
43-20368	73	55-00536	40	55-00723	27	55-01320	33	55-10132	12
43-21436	70	55-00537	40	55-00724	27	55-01321	37	55-10133	12
43-21437	70	55-00553	42	55-00725	27	55-01356	28	55-10134	12
43-21438	70	55-00554	42	55-00751	27	55-01357	29	55-10135	12
43-21439	70	55-00555	42	55-00752	27	55-01358	31	55-10136	12
43-21440	71	55-00556	43	55-00753	27	55-01359	33	55-10137	12
43-21441	71	55-00557	43	55-00754	27	55-01360	35	55-10138	12
43-21442	71	55-00558	43	55-00755	27	55-01361	37	55-10139	12
43-21443	71	55-00560	20	55-00756	27	55-01362	39	55-10140	12
55-00376	18	55-00561	20	55-00760	18	55-01363	41	55-10141	12
55-00377	18	55-00562	20	55-00761	18	55-01364	42	55-10142	13
55-00378	18	55-00563	20	55-00762	18	55-01365	43	55-40014	60
55-00379	18	55-00564	21	55-00763	18	55-01375	51	55-40015	60
55-00380	18	55-00565	21	55-00764	18	55-01376	50	55-40016	60
55-00381	18	55-00566	21	55-00765	18	55-01377	52	55-40017	60
55-00388	19	55-00567	21	55-00772	27	55-01378	51	55-40018	60
55-00389	19	55-00568	21	55-00773	27	55-01379	53	55-40019	61
55-00390	19	55-00569	21	55-00774	27	55-01380	53	55-40020	61
55-00391	19	55-00576	25	55-00775	27	55-01381	54	55-40021	61
55-00392	19	55-00577	25	55-00776	27	55-01382	54	55-40022	61
55-00393	19	55-00578	25	55-00777	27	55-01383	41	55-40023	61
55-00448	24	55-00579	25	55-00826	28	55-01406	22	55-40024	62
55-00449	24	55-00580	25	55-00827	28	55-10058	10	55-40025	62
55-00450	24	55-00581	25	55-00828	28	55-10059	10	55-40026	62
55-00451	24	55-00582	48	55-00829	28	55-10060	10	55-40027	62
55-00452	24	55-00583	48	55-00830	28	55-10061	10	55-40028	62
55-00453	24	55-00584	48	55-00831	28	55-10062	10	55-40029	63
55-00466	49	55-00585	49	55-00832	29	55-10063	10	55-40030	63
55-00467	49	55-00586	49	55-00833	29	55-10064	10	55-40031	63
55-00468	49	55-00587	49	55-00834	29	55-10065	10	55-40032	63
55-00470	48	55-00595	51	55-00835	29	55-10066	10	55-40033	63
55-00471	48	55-00596	51	55-00836	29	55-10067	10	55-40034	64
55-00472	48	55-00597	51	55-00837	29	55-10068	10	55-40035	64
55-00474	51	55-00598	52	55-00838	30	55-10069	10	55-40036	64
55-00475	51	55-00599	52	55-00839	30	55-10070	10	55-40038	64
55-00476	51	55-00600	52	55-00840	30	55-10071	10		
55-00478	50	55-00641	53	55-00841	30	55-10072	10		
55-00479	50	55-00642	53	55-00842	30	55-10073	10		
55-00480	50	55-00643	53	55-00843	30	55-10074	10		
55-00482	20	55-00644	53	55-00844	32	55-10075	10		

CONEC

Elektronische Bauelemente GmbH
 Ostenfeldmark 16
 59557 Lippstadt
 Germany

Tel. +49 2941 765-0
 Fax +49 2941 76565
 E-Mail info@conec.de
www.conec.com



CONEC Corporation

125 Sun Pac Blvd.
 Brampton Ontario
 Canada L6S 5Z6
 Tel. +1 905 790 2200
 Fax +1 905 790 2201
 E-Mail info@conec.com



American CONEC Corporation

343 Technology Drive
 Garner, NC, USA 27529
 Tel. +1 919 460 8800
 Fax +1 919 460 0141
 E-Mail info@conec.com



CONEC Polska Sp. zo.o

ul.Szmaragdowa 10
 52-215 Wrocław
 Tel. +48 71 374 40 45
 Fax +48 71 374 40 49
 E-Mail info@conec.pl



CONEC s.r.o.

Loucka137
 76325 Ujezd
 Czech Republic
 Tel. +420 577 350 132
 Fax +420 577 350 134
 E-Mail info@conec.cz



CONEC France SARL

202 Rue des Chevreuils
 30320 Poulx
 Tel. +33 9 75267217
 Fax +33 4 66570916
 E-Mail info@conec.fr



CONEC (Shanghai)

Int. Trading Co., Ltd.
 Rm. 718 Yongding Bldg.
 No. 3388 Gong He Xin Rd.
 200436 Shanghai
 Tel. +86 21 66300930
 Fax +86 21 66300911
 E-Mail info@conec.cn