Connectors

available models

connectors with PVC cable

plug	wires	led	axial	right angle	lenght (m)
M8	3	-	CD08/0A-***A1	CD08/0A-***C1	2 - 5 - 10
	4		CD08/0B-***A1	CD08/0B-***C1	
M12	3 NO		CD12M/AA-***A1	CD12M/AA-***C1	
	4		CD12M/0B-***A1	CD12M/0B-***C1	
	3 NO-NPN	2 led	-	CD12M/NA-***C1	
	3 NO-NPN			CD12M/PA-***C1	
	4 NO/NC-PNP			CD12M/VB-***C1	
	4 DECOUT ®	Bi-led		CD12M/DB-***C1	
M12 IP69K	4	-	CD12F/0B-050A1	CD12F/0B-050C1	5
		3	–	CD12F/LB-050C1	

available models

connectors with PUR cable

plug	wires	led	axial	right angle	lenght (m)
M8	3	-	CD08/0A-***A5	CD08/0A-***C5	2 - 5 - 10
	4		CD08/0B-***A5	CD08/0B-***C5	
M12	3		CD12M/AA-***A5	CD12M/AA-***C5	
	4		CD12M/0B-***A5	CD12M/0B-***C5	
		3	-	CD12M/LB-***C5	5 - 10
	5	-	CD12M/0H-***A5	CD12M/0H-***C5	2 - 5 - 10
	8		CD12M/0X-***A5	–	5 - 10 - 15
M12 (AC)	3		CD12M/AC-050A5	CD12M/AC-050C5	5

available models

connectors without cable

plug	type	connection	wires	axial	right angle
M8	male	spring terminals	3	CV08/1A-00A	-
			4	CV08/1B-00A	-
		screw terminals	3	CV08/0A-00A	-
			4	CV08/0B-00A	-
	female	spring terminals	3	CL08/1A-00A	-
			4	CL08/1B-00A	-
		screw terminals	3	CL08/0A-00A	-
			4	CL08/0B-00A	-
M12	male			CV12/0B-00A	CV12/0B-00B
	female			CL12/0B-00A	CL12/0B-00C
	male		5	CV12/0H-00A	CV12/0H-00C
	female			CL12/0H-00A	CL12/0H-00C

available models

in line plug connectors

plug	type	connection	wires	model	cable diameter
M8	male	in line	4	CDV-37	ø 3,75 mm
				CDV-47	ø 4,7 mm
				CDV-50	ø 5 mm
				CDV-55	ø 5,5 mm

available models

extension cable

plug	wires	female plug	male plug	model	length (m)
M8	3	axial	axial	CDP08/0A-***AA	(*)
M12	4			CDP08/0B-***AA	
				CDP12/0B-***AA	

(*)= Please contact M.D. Sales Department for cable lenght and possible minimum orderable quantity.

available models

extended temperature connectors (-25°C...+105°C)

connector	nr. of wires	led	axial	right angle	lenght (m)
M12	4	-	CD12M/0B-***A1HT	CD12M/0B-***C1HT	5 - 10

available models

connectors with PVC cable and cCSAus certification

connector	nr. of wires	led	axial	right angle	lenght (m)
M8	3	-	CD08/0A-***A1US	CD08/0A-***C1US	5 - 10 - 15
	4		CD08/0B-***A1US	CD08/0B-***C1US	
M12			CD12/0B-***A1US	CD12/0B-***C1US	

available models

connectors with PUR cable and cCSAus certification

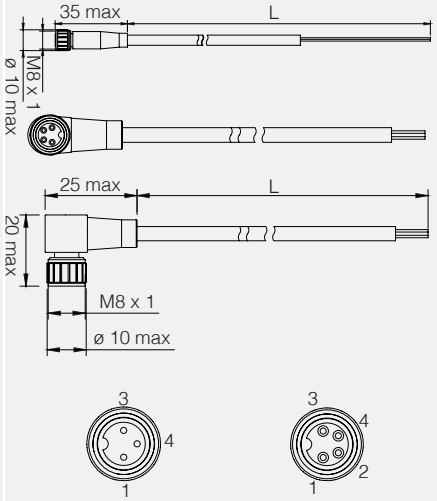
connector	nr. of wires	led	axial	right angle	lenght (m)
M8	3	-	CD08/0A-***A5US	CD08/0A-***C5US	5 - 10 - 15
	4		CD08/0B-***A5US	CD08/0B-***C5US	
M12			CD12/0B-***A5US	CD12/0B-***C5US	

M8 PVC

product	dimensions (mm)	specifications







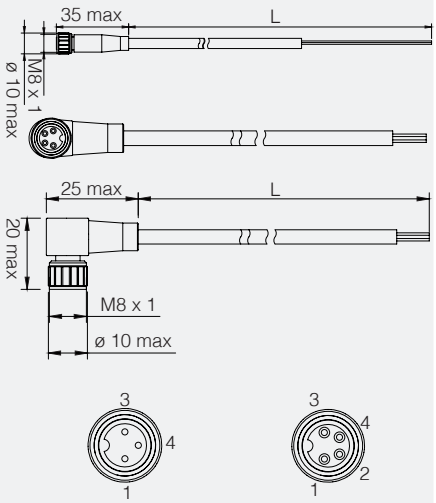
	CD08/0A-****1	CD08/0B-****1
Nominal voltage	Max. 60 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	0,8 kV	
Protection degree	IEC IP67	
Jacket material	PVC IEC 332-1	PVC CEI 2022 II OR
Wire isolation	PVC	
Conductors	3	4
Conductors section	0,25 mm2 (32 x 0,10 mm2)	
Outer diameter	Ø 4.5 mm ± 5%	
Tightening torque	0,4 Nm	
Working temperature	-10°C...+80°C (for moved cable) -25°C...+80°C (for permanently cable)	

M8 PUR

product	dimensions (mm)	specifications







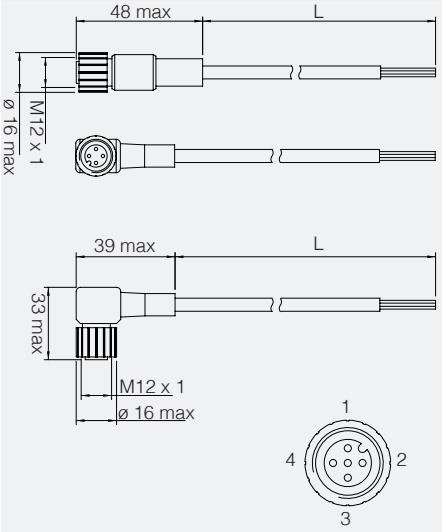
	CD08/0A-****5	CD08/0B-****5
Nominal voltage	Max. 60 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	1.5 kV	
Protection degree	IEC IP67	
Jacket material	PUR	
Wire isolation	PVC	
Conductors	3	4
Conductors section	0.25 mm²(32x0.10 mm²)	0,25 mm²(32x0,10 mm²)
Outer diameter	Ø 3.75 mm±0.2mm	Ø 4.7 mm ± 0,2mm
Tightening torque	0.4 Nm	
Working temperature	-5°C...+80°C (for moved cable) -20°C...+80°C (for permanently cable)	-5°C...+80°C (for moved cable) -30°C...+70°C (for permanently cable)

M12 PVC

product	dimensions (mm)	specifications







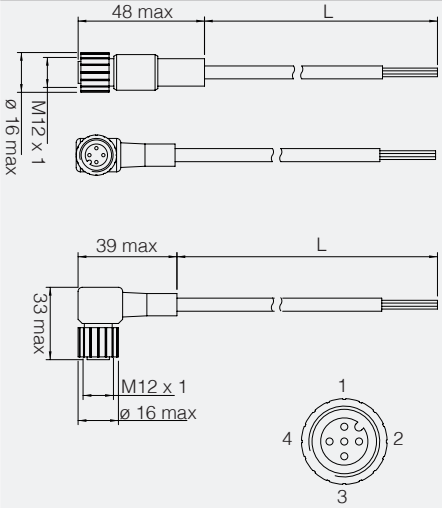
	CD12M/AA-****1	CD12M/0B-****1
Nominal voltage	Max. 250 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	2.5 kV	
Protection degree	IEC IP67	
Jacket material	PVC IEC 332-1	PVC CEI 2022 II OR
Wire isolation	PVC	
Conductors	3	4
Conductors section	0.25 mm2 (32 x 0.10 mm2)	
Outer diameter	Ø 4.5 mm ± 5%	
Tightening torque	0.6 Nm	
Working temperature	-10°C...+80°C (for moved cable) -25°C...+80°C (for permanently cable)	

M12 PUR

product	dimensions (mm)	specifications





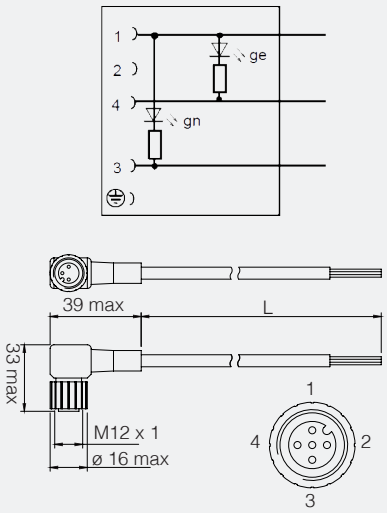


	CD12M/AA-****5	CD12M/0B-****5
Nominal voltage	Max. 250 V ac/dc	
Nominal current	4 A	
Rated impulse voltage	2.5 kV	
Protection degree	IEC IP67	
Jacket material	PUR	
Wire isolation	PVC	
Conductors	3	4
Conductors section	0.25 mm² (32 x 0,10 mm²)	
Outer diameter	Ø 3.75 mm±0,2mm	Ø 4.7 mm ± 5%
Tightening torque	0.6 Nm	
Working temperature	-5°C...+80°C (for moved cable) -20°C...+80°C (for permanently cable)	

M12 LED 3 wires NO/NPN

product	dimensions (mm)	specifications



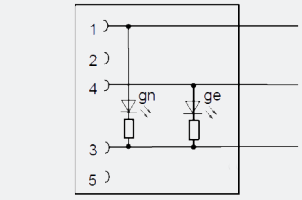


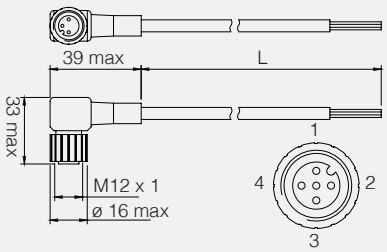
	CD12M/NA-***C1
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2.5 kV
Protection degree	IEC IP67
Jacket material	PVC CEI 2022 II OR
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0,10 mm²)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-10°C...+80°C (for moved cable) -25°C...+80°C (for permanently cable)

M12 LED 3 wires NO/PNP

product	dimensions (mm)	specifications





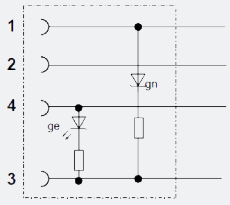


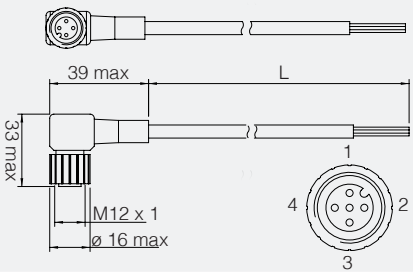
	CD12M/PA-***C1
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2.5 kV
Protection degree	IEC IP67
Jacket material	PVC CEI 2022 II OR
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0.10 mm²)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-10°C...+80°C (for moved cable)
	-25°C...+80°C (for permanently cable)

M12 LED 4 wires NO/NC - PNP

product	dimensions (mm)	specifications





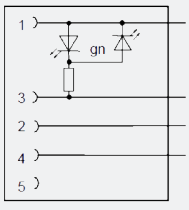


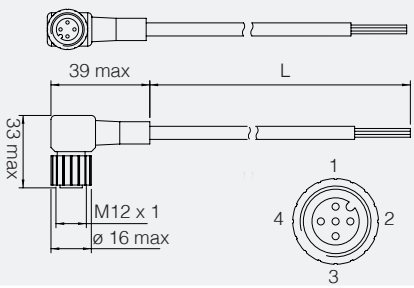
	CD12M/VB-***C1
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2.5 kV
Protection degree	IEC IP67
Jacket material	PVC CEI 2022 II OR
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm2 (32 x 0.10 mm2)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-10°C...+80°C (for moved cable)
	-25°C...+80°C (for permanently cable)

M12 LED 4 wires DECOUT®

product	dimensions (mm)	specifications







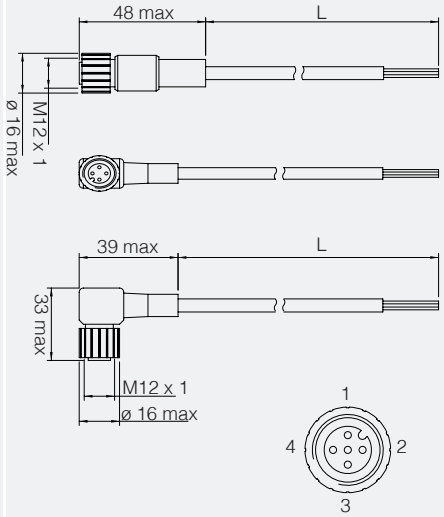
	CD12M/DB-***C1
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2.5 kV
Protection degree	IEC IP67
Jacket material	PVC CEI 2022 II OR
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0.10 mm²)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-10°C...+80°C (for moved cable)
	-25°C...+80°C (for permanently cable)

M12 IP69K

product	dimensions (mm)	specifications



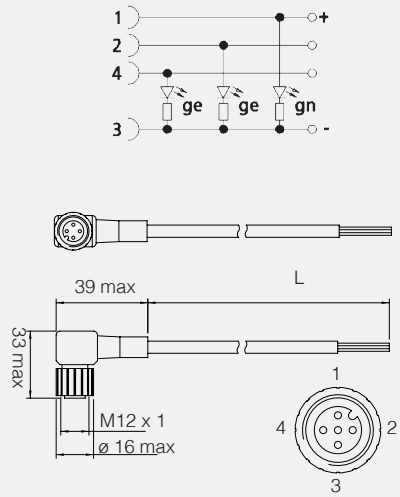




	CD12F/0B-****1
Nominal voltage	Max. 240 V ac/dc
Nominal current	4 A
Rated impulse voltage	2 kV
Protection degree	IEC IP67 / IP69K
Jacket material	PVC
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0.10 mm²)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-27°C...+70°C (for moved cable)

product	dimensions (mm)	specifications





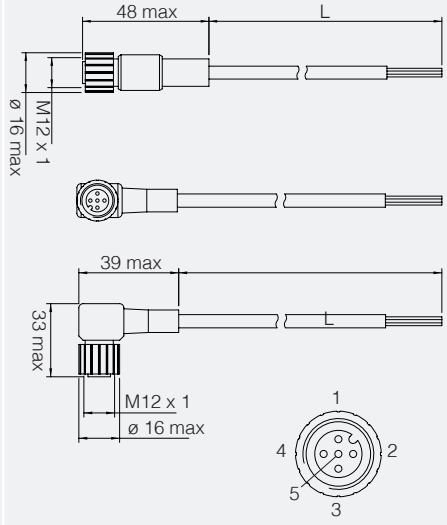
	CD12F/LB-***C1
Nominal voltage	250 V
Nominal current	4 A
Protection degree	IP 67 / NEMA 6P
Jacket material	TPU
Conductors	4 x 0.34 mm²
Wire isolation	PP
Outer diameter	Ø 4.7mm ±0.20 mm
Working temperature	-40°C … +80°C (in stationary position)

CD12M-0H

product	dimensions (mm)	specifications







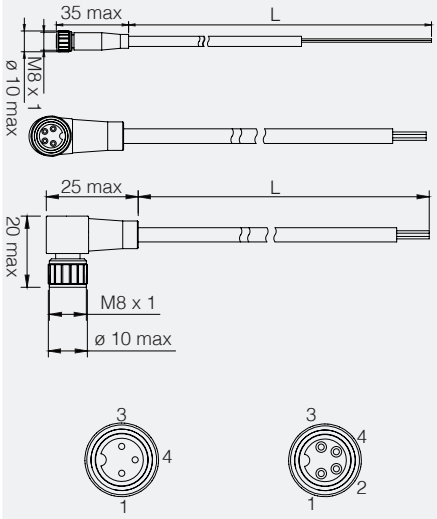
	CD12M/0H-****5
Nominal voltage	60 V
Nominal current	4 A
Protection degree	IEC IP67
Jacket material	TPU
Wire isolation	TPU
Conductors	5
Conductors section	0.25 mm² (32 x 0,10 mm²)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-5°C...+70°C (for moved cable) -30°C...+80°C (for permanently cable)

M8 PVC cCSAus

product	dimensions (mm)	specifications







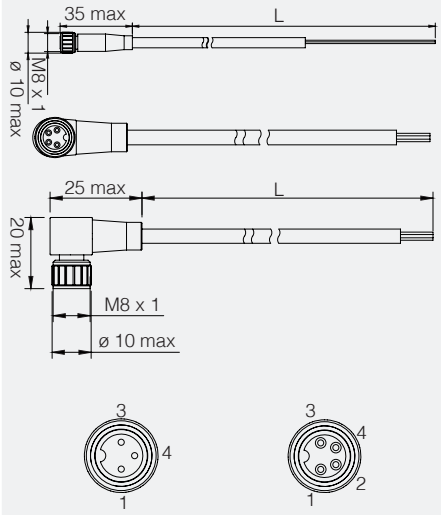
	CD08/0A-****1US	CD08/0B-****1US
Nominal voltage	Max. 60 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	1.5 kV	
Protection degree	IEC IP67	
Jacket material	PUR	
Wire isolation	PVC	
Conductors	3	4
Conductors section	0.25 mm² (32 x 0.10 mm²)	
Outer diameter	Ø 4.4 mm ± 5%	
Tightening torque	0.4 Nm	
Working temperature	-5°C ÷ +70°C (for moved cable) -25°C ÷ +70°C (for permanently cable)	

M8 PUR cCSAus

product	dimensions (mm)	specifications







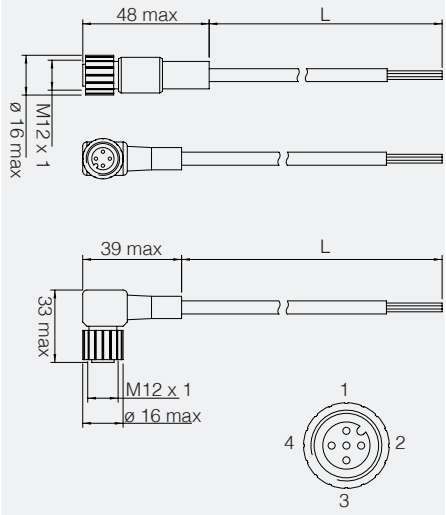
	CD08/0A-****5US	CD08/0B-****5US
Nominal voltage	Max. 60 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	1.5 kV	
Protection degree	IEC IP67	
Jacket material	PUR	
Wire isolation	PP	
Conductors	3	4
Conductors section	0.25 mm² (32 x 0.10 mm²)	
Outer diameter	Ø 4.1 mm ± 5%	
Tightening torque	0,4 Nm	
Working temperature	-25°C… +80°C (for moved cable) -25°C … +80°C (for permanently cable)	

M12 PVC cCSAus

product	dimensions (mm)	specifications







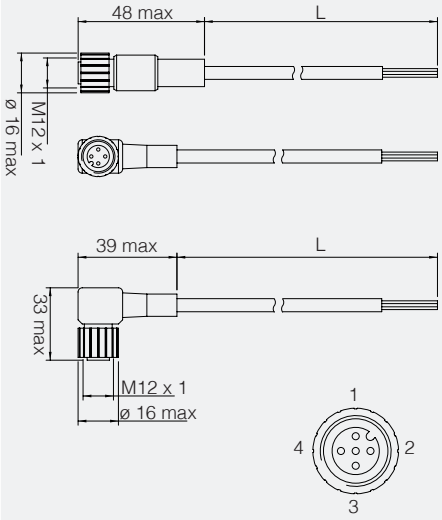
	CD12M/0B-****1US
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2.5 kV
Protection degree	IEC IP67
Jacket material	PUR/PVC
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0,10 mm²)
Outer diameter	Ø 5.2 mm ± 5%
Tightening torque	0,6 Nm
Working temperature	-5°C...+70°C (for moved cable) -25°C ... +70°C (for permanently cable)

M12 PUR cCSAus

product	dimensions (mm)	specifications







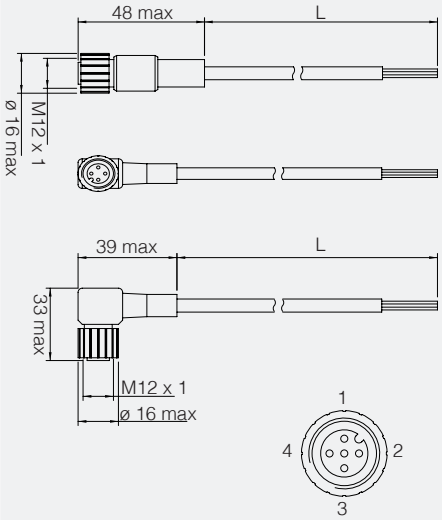
	CD12M/0B-****5US
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2,5 kV
Protection degree	IEC IP67
Jacket material	PUR
Wire isolation	PP
Conductors	4
Conductors section	0.25 mm² (32 x 0.10 mm²)
Outer diameter	Ø 4.7 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-25°C...+80°C (for moved cable)
	-25°C...+80°C (for permanently cable)

M12 PVC cCSAus

product	dimensions (mm)	specifications







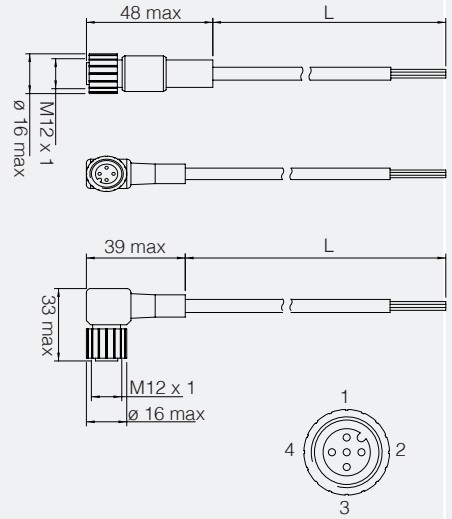
	CD12M/0B-****1US
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2,5 kV
Protection degree	IEC IP67
Jacket material	PUR/PVC
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0,10 mm²)
Outer diameter	Ø 5.2 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-5°C...+70°C (for moved cable)
	-25°C...+70°C (for permanently cable)

M12 extended temperature

product	dimensions (mm)	specifications





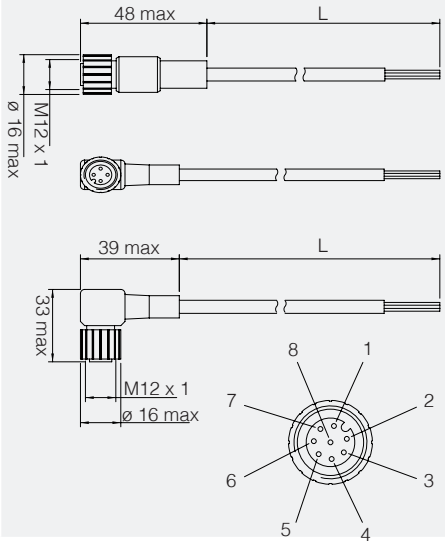


	CD12M/0B-****1HT
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2.5 kV
Protection degree	IEC IP67
Jacket material	PVC
Wire isolation	PVC
Conductors	4
Conductors section	0.25 mm² (32 x 0.10 mm²)
Outer diameter	Ø 4.5 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-25°C...+105°C (for permanently cable)

M12 8 wires

product	dimensions (mm)	specifications





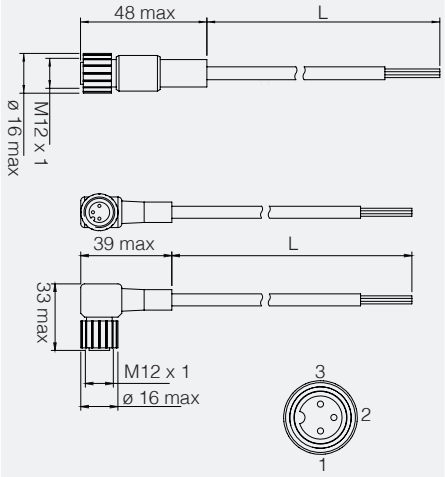
	CD12M/0X-***A5
Nominal voltage	Max. 30 V ac/dc
Nominal current	2 A
Rated impulse voltage	1,5 kV
Protection degree	IEC IP67
Jacket material	TPU
Wire isolation	PP
Conductors	8
Conductors section	0,34 mm² (42 x 0,10 mm²)
Outer diameter	Ø 6,4 mm ± 0,2mm
Tightening torque	0,6 Nm
Working temperature	-25°C...+80°C (for moved cable) -25°C...+80°C (for permanently cable)

M12 AC

product	dimensions (mm)	specifications





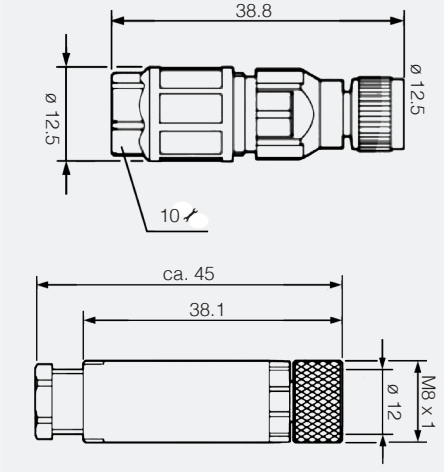


	CD12M/AC-****5
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2 kV
Protection degree	IEC IP67
Jacket material	TPU
Wire isolation	PVC
Conductors	3
Conductors section	0.50 mm²
Outer diameter	Ø 4.6 mm ± 5%
Tightening torque	0.6 Nm
Working temperature	-10°C ...+80°C (for moved cable) -25°C...+80°C (for permanently cable)

CL08

product	dimensions (mm)	specifications



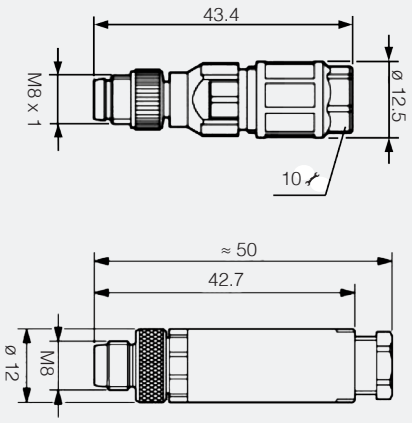


	CL08/1*-00A	CL08/0*-00A
External diameter	2.5 mm...5 mm ±0.2 mm	3.5 mm ... 5 mm
Stripping length of the sheath	40 mm	12 mm
Ambient temperature	-25 °C ... 80 °C	-40 °C ... 85 °C
Degree of protection	IP65 / IP67	IP67
Rated current at 40°C	a 40°C 4 A	a 40°C 4 A
Rated voltage	60 V (3 wires) 30 V (4 wires)	60 V (3 wires) 30 V (4 wires)
Contact resistance	≤ 5 mΩ	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ	≥ 100 MΩ
Conductor cross section	0.25 mm²...0.5 mm²	0.14 mm²...0.5 mm²
AWG conductor cross section	AWG 24 ... 20	-
Wire diameter including insulation	0.75 mm ... 1,5 mm ±0.05 mm	26 ... 20 mm
Torque	0.6 Nm (pressure nut) 0.2 Nm (M8 nut)	0.2 Nm (M8 nut)

CV 08

product	dimensions (mm)	specifications





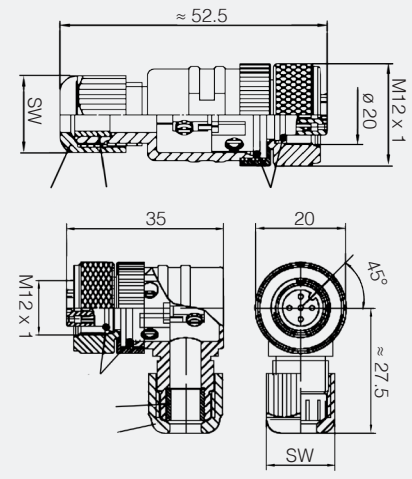
	CV08/1*-00A	CV08/0*-00A
External diameter	2.5 mm...5 mm ±0.2 mm	3,5 mm ... 5 mm
Stripping length of the sheath	40 mm	12 mm
Ambient temperature	-25 °C ... 80 °C	-40 °C ... 85 °C
Degree of protection	IP65 / IP67	IP67
Rated current at 40°C	a 40°C 4 A	a 40°C 4 A
Rated voltage	60 V (3 wires) 30 V (4 wires)	60 V (3 wires) 30 V (4 wires)
Contact resistance	≤ 5 mΩ	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ	≥ 100 MΩ
Conductor cross section	0.25 mm²...0.5 mm²	0.14 mm²...0.5 mm²
AWG conductor cross section	AWG 24 ... 20	-
Wire diameter including insulation	0.75 mm ... 1,5 mm ±0.05 mm	26 ... 20 mm
Torque	0.6 Nm (pressure nut) 0.2 Nm (M8 nut)	0.2 Nm (M8 nut)

CL 12

product	dimensions (mm)	specifications







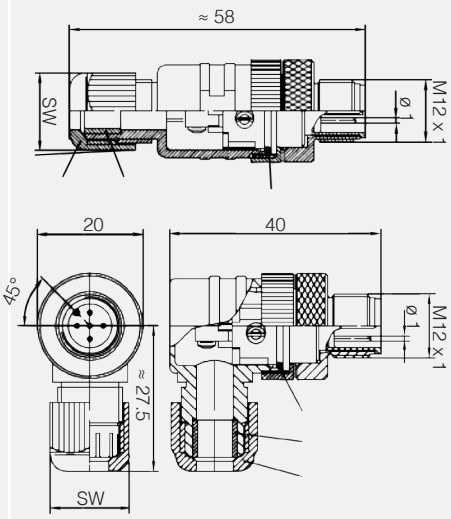
	CL12/0H-00*
Cable external diameter	3 mm ... 6,5 mm
Stripping length of the sheath	20 mm
Ambient temperature	-25 °C ... 90 °C
Degree of protection	IP67
Rated current at 40°C	4 A
Rated voltage	250 V
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Conductor cross section	Max. 0.75 mm²

CV 12

product	dimensions (mm)	specifications





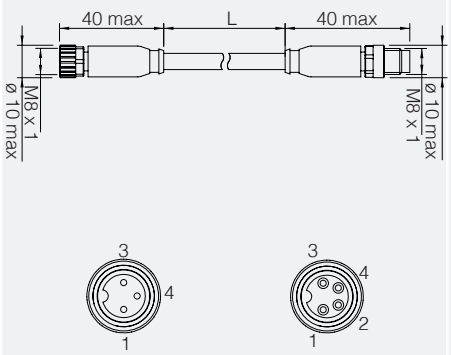


	CV12/0H-00*
Cable external diameter	3 mm ... 6,5 mm
Stripping length of the sheath	20 mm
Ambient temperature	-25 °C ... 90 °C
Degree of protection	IP67
Rated current at 40°C	4 A
Rated voltage	250 V
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Conductor cross section	Max. 0.75 mm²

CDP 08 PVC

product	dimensions (mm)	specifications



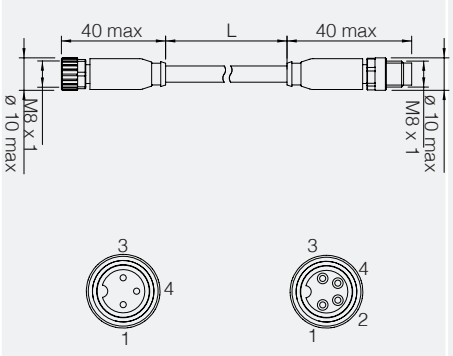


	CDP08/0A	CDP08/0B
Nominal voltage	Max. 60 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	0.8 kV	
Protection degree	IEC IP67	
Jacket material	PVC IEC 332-1	PVC CEI 2022 II OR
Wire isolation	PVC	
Conductors	3	4
Conductors section	0.25 mm² (32 x 0.10 mm²)	
Outer diameter	Ø 4.5 mm ± 5%	
Tightening torque	0.4 Nm	
Working temperature	-10°C ÷ +80°C (for moved cable) -25°C ÷ +80°C (for permanently cable)	

CDP 08 PUR

product	dimensions (mm)	specifications



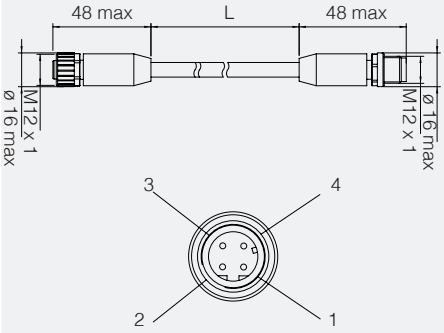


	CDP08/0A-***AA8F	CDP08/0B-***AA8F
Nominal voltage	Max. 60 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	1.5 kV	
Protection degree	IEC IP67	
Jacket material	PUR	PVC CEI 2022 II OR
Wire isolation	PVC	
Conductors	3	4
Conductors section	0.25 mm² (32 x 0.10 mm²)	0.25 mm² (32 x 0.10 mm²)
Outer diameter	Ø 3.75 mm ± 0,2 mm	Ø 4.7 mm ± 0,2 mm
Tightening torque	0.6 Nm	
Working temperature	-5°C...+80°C (for moved cable) -20°C ÷ +80°C (for permanently cable)	-5°C ÷ +80°C (for moved cable) -30°C ÷ +70°C (for permanently cable)

CDP 12 PVC

product	dimensions (mm)	specifications



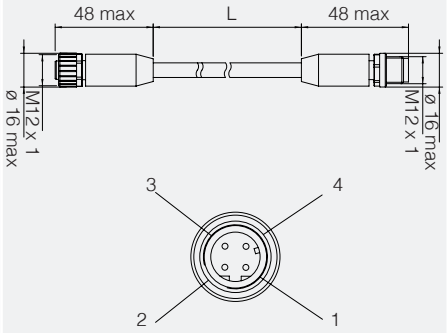


	CDP12/0B-***AA	
Nominal voltage	Max. 250 V ac/dc	Max. 30 V ac/dc
Nominal current	4 A	
Rated impulse voltage	2.5 kV	
Protection degree	IEC IP67	
Jacket material	PVC CEI 2022 II OR	
Wire isolation	PVC	
Conductors	4	
Conductors section	0.25 mm² (32 x 0.10 mm²)	
Outer diameter	Ø 4.5mm ± 5%	
Tightening torque	0.6 Nm	
Working temperature	-10°C ÷ +80°C (for moved cable) -25°C ÷ +80°C (for permanently cable)	

CDP 12 PUR

product	dimensions (mm)	specifications



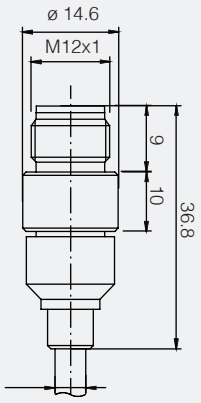


	CDP12/0B
Nominal voltage	Max. 250 V ac/dc
Nominal current	4 A
Rated impulse voltage	2,5 kV
Protection degree	IEC IP67
Jacket material	PUR
Wire isolation	PVC
Conductors	4
Conductors section	0,25 mm² (32 x 0,10 mm²)
Outer diameter	Ø 4.7 mm ± 5%
Tightening torque	0,6 Nm
Working temperature	-5°C ÷ +80°C (for moved cable) -20°C ÷ +80°C (for permanently cable)

CDV

product	dimensions (mm)	specifications





	CDV-37	CDV-47	CDV-50	CDV-55
Hole diameter	3,75 mm	4,7 mm	5 mm	5,5 mm
Connections	to solder			
Nominal voltage	60 Vdc - 48 Vac			
Nominal current	4 A			
Protection degree	IEC IP65			
Housing material	nickel-plated brass			
Plug connector material	polyammide 66 GV, V0 UL94			
Contacts material	nickel-plated brass with surface gold-plating			
O-Ring material	NBR 72			

Micro Detectors

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