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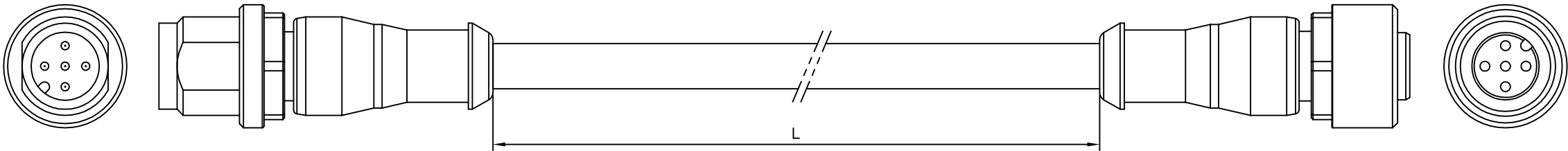
2

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LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	APVD
H	—		A	INITIAL RELEASE	22DEC2014	BvH
			B	ECR-15-007034	07MAY2015	BvH
			B1	ECR-15-008302	02JUN2015	BvH

NOTES:
Tolerances cable lengths:
0m to 0.5m +30mm
0.5m to 1.0m +50mm
1.0m to 3.0m +100mm
< 3.0m +1.5%

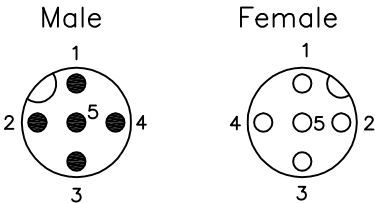


Mechanical data	
Housing:	M12 female straight, black
Screw:	M12x1 zinc pressure die casting surface Ni
Connection:	pluggable screw locking A/F 13 recommended breakaway torque 0.6Nm
Temp. range:	-25°C to +85°C (for connector)
Protection:	IP67

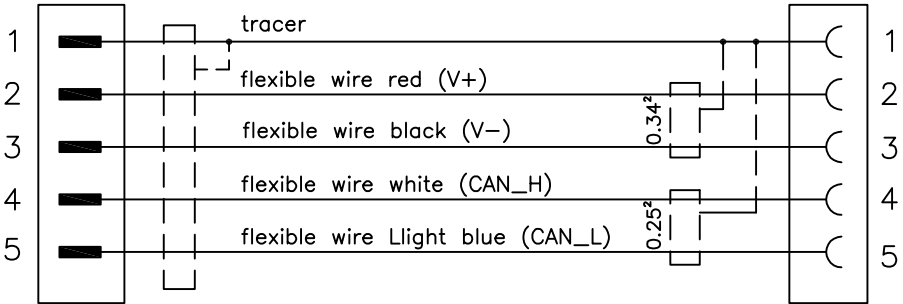
Electrical data	
Nominal voltage:	max. 60V AC/DC (UL rating 30V AC/DC)
Rated current:	max. 4A per contact
Rated impuls voltage:	1.5kV
Pollution degree:	3
Material group:	Categorie I according to IEC 60664-1
Fieldbus:	CANopen / DeviceNet

5 pos	75mtr	PUR	BLACK	1-2289297-6	5x22AWG PUR 75m	16
	60mtr			1-2289297-5	5x22AWG PUR 60m	15
	45mtr			1-2289297-4	5x22AWG PUR 45m	14
	35mtr			1-2289297-3	5x22AWG PUR 35m	13
	25mtr			1-2289297-2	5x22AWG PUR 25m	12
	20mtr			1-2289297-1	5x22AWG PUR 20m	11
	15mtr			1-2289297-0	5x22AWG PUR 15m	10
	13mtr			2289297-9	5x22AWG PUR 13m	9
	12mtr			2289297-8	5x22AWG PUR 12m	8
	10mtr			2289297-7	5x22AWG PUR 10m	7
	9mtr			2289297-6	5x22AWG PUR 9m	6
	7.5mtr			2289297-5	5x22AWG PUR 7.5m	5
	6mtr			2289297-4	5x22AWG PUR 6m	4
	4.5mtr			2289297-3	5x22AWG PUR 4.5m	3
	3mtr			2289297-2	5x22AWG PUR 3m	2
	1.5mtr			2289297-1	5x22AWG PUR 1.5m	1
LENGTH "L"		MATERIAL	JACKET COLOR	TE PN	DESCRIPTION	ITEM

Contact Layout



Schematic diagram



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 22DEC2014 SATHISH KUMAR G	TE Connectivity			
		CHK 22DEC2014 B.VELDHOVEN				
DIMENSIONS: mm		APVD 22DEC2014 A.VAN ZANDVOORT	NAME M12 STRGT PLUG TO M12 STRGT SOCKET AA			
		PRODUCT SPEC 108-19483				
		APPLICATION SPEC 114-32127				
MATERIAL -		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-2289297	RESTRICTED TO -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH		CUSTOMER DRAWING				
		SCALE NTS		SHEET 1 of 2		REV B1

4		3		2		1																																																		
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© COPYRIGHT — By —		ALL RIGHTS RESERVED.				P		LTR		DESCRIPTION		DATE		DWN		APVD																																								
								—		SEE SHEET 1		—		—		—																																								
NOTES: Tolerances cable lengths: 0m to 0.5m +30mm 0.5m to 1.0m +50mm 1.0m to 3.0m +100mm < 3.0m +1.5% CABLE DATA SHEET <table><tr><td>Cable diameter</td><td>2x0.25+ 2x0.34mm²</td><td>6.9mm±5%</td></tr><tr><td>Conductor colors</td><td colspan="2">DATA PAIR: BLUE, WHITE 0.25mm²; POWER PAIR: BLACK, RED 0.34mm²</td></tr><tr><td>Conductor construction</td><td colspan="2">0.25: tinned copper wire 22/19AWG, paired in AL/PET tape 0.34mm²: tinned copper wire 24/19AWG, paired in AL/PET tape</td></tr><tr><td>Conductor isolation DIN VDE 0207–7</td><td colspan="2">0.25mm²: solid polyethylene outer dia 2.10mm ±5% 0.34mm²: foam skin polyethylene outer dia 1.55mm ±5%</td></tr><tr><td>Banding</td><td colspan="2">Polyester foil, tinned copper wires (coverage min. 65%), drain wire 24/19AWG</td></tr><tr><td>Outer jacket</td><td colspan="2">Halogen free PUR, color: Violet</td></tr><tr><td>Resistance</td><td colspan="2">Good oil, petrol and chemical resistance, UV resistance compliant UL1581</td></tr><tr><td>Electrical data Nominal voltage Dielectric strength</td><td colspan="2">300v max operating voltage cond/cond, cond/shield: 1.5kVac/1min</td></tr><tr><td>Temperature range</td><td colspan="2">–40°C to +80°C Fixed –30°C to +70°C Flexible</td></tr><tr><td>Drag chain data</td><td colspan="2">Translation speed: < 3.0m/s; acceleration: < 3.0m/s (proper installation) Bending radius:6x outer dia (static); 12x outer dia (axial drag chain)</td></tr><tr><td>Drag chain data Torsion range</td><td colspan="2">12x outer diameter, max. 5 million cycles Not recommended for torsion</td></tr><tr><td>Permission</td><td colspan="2">UL (AWM style 20233), CSA</td></tr><tr><td>Manufacturer & type</td><td colspan="2">CEAM 0502688</td></tr></table> Diagram labels: Polyester foil, AL/PET tape, Shielding braid, Drain wire																		Cable diameter	2x0.25+ 2x0.34mm ²	6.9mm±5%	Conductor colors	DATA PAIR: BLUE, WHITE 0.25mm ² ; POWER PAIR: BLACK, RED 0.34mm ²		Conductor construction	0.25: tinned copper wire 22/19AWG, paired in AL/PET tape 0.34mm ² : tinned copper wire 24/19AWG, paired in AL/PET tape		Conductor isolation DIN VDE 0207–7	0.25mm ² : solid polyethylene outer dia 2.10mm ±5% 0.34mm ² : foam skin polyethylene outer dia 1.55mm ±5%		Banding	Polyester foil, tinned copper wires (coverage min. 65%), drain wire 24/19AWG		Outer jacket	Halogen free PUR, color: Violet		Resistance	Good oil, petrol and chemical resistance, UV resistance compliant UL1581		Electrical data Nominal voltage Dielectric strength	300v max operating voltage cond/cond, cond/shield: 1.5kVac/1min		Temperature range	–40°C to +80°C Fixed –30°C to +70°C Flexible		Drag chain data	Translation speed: < 3.0m/s; acceleration: < 3.0m/s (proper installation) Bending radius:6x outer dia (static); 12x outer dia (axial drag chain)		Drag chain data Torsion range	12x outer diameter, max. 5 million cycles Not recommended for torsion		Permission	UL (AWM style 20233), CSA		Manufacturer & type	CEAM 0502688	
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1470–19 (3/11)

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