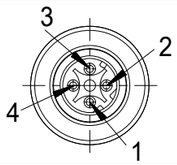
MALE FACE VIEW
4-POLE



WIRING DIAGRAM
1 YELLOW 2 WHITE 3 ORANGE 4 BLUE

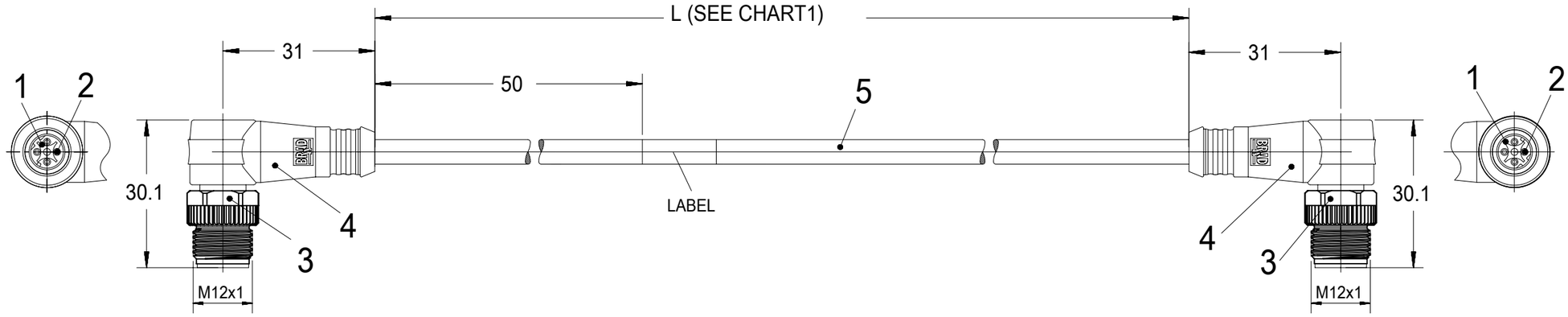


CHART 1

1201088515	E11A06312M003
1201080508	E11A06312M010
1201080509	E11A06312M020
1201080510	E11A06312M050
1201080511	E11A06312M100
1201088725	E11A06312M030
1201088726	E11A06312M200

Table of lenght tolerances

Over (m)	Up to and including (m)	Tolerance (mm)(+)
0	1	+40/0
1	5	+60/0
5	10	+80/0
10	20	+140/0
20	30	+160/0
30	-	1 % of lenght

CONNECTOR SPECIFICATION:

VOLTAGE RATING	max 30V
AMPERAGE RATING	1,5 A
PROTECTION	IP67
OPERATING TEMPERATURE	SEE SHEET 2

ITEM	DESCRIPTION	MATERIAL	FINISH
5	CABLE	TPU	GREEN
4	OVERMOULDING	TPU	BLACK
3	COUPLING NUT MA SW13	BRASS	NICKEL PLATED
2	PIN CONTACT	COPPER ALLOY	GOLD OR NICKEL PLATED
1	INSERT	PUR	BLACK

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SYMBOLS: F = 0, E = 0, B = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, V = 0

DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 600891
DRWN: FDAFERNER 2018/07/02
CHK'D: RSILLER 2018/07/04
APPR: RSILLER 2018/07/04

INITIAL REVISION:
DRWN: BBRAUCH 2015/11/18
APPR: RSILLER 2015/11/26

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120108

molex

CSE M12 ETH 4P DC MA MA
RA WSOR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-120108-073	PSD	001	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART 1	WOODHEAD	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/07/04 06:32:48

FORMAT: master-tb-mod-A3
REVISION: H
DATE: 2018/01/18

E	1	1	A	X	X	X	1	2	X	X	X	X	X

Networ Protocol
E=Ethernet

First and Second Connector
1=M12 Threaded 4 Pole D-code

Wiring Scheme
A=4 Pole

HEAD TYPE
063 Plugs male 90° and plugs male 90°

Cable type
2x2x22AWG
TPU, GREEN, SHIELD

LENGTH UNIT
C-cm
M-m
K-km
F-feet

LENGTH
Example:
010 - 1M
020 - 2M
050 - 5M
100 - 10M

OPTIONS
D- Decoupled (for Shielded version only)

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
CAB-12 4P	0.34mm²	TPU GREEN	STYLE 21215	yes	-40°C to +80°C >5xO.D	-20°C to +60°C >15xO.D	2 mio cycles	WELD SLAG RESISTANCE

DOCUMENT STATUS	P1	RELEASE DATE	2018/07/04 06:32:48

FORMAT: master_Sheet-A3
REVISION: H
DATE: 2018/01/16

SYMBOLS
FA = 0
FC = 0
FB = 0
S = 0
▼ = 0
C = 0
☒ = 0
■ = 0
▽ = 0

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.05
1 PLACE	± 0.3
0 PLACES	± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-120108-073	PSD	001	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART 1	WOODHEAD	2 OF 2