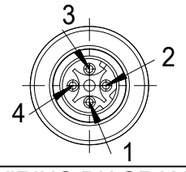
MALE FACE VIEW
4-POLE



WIRING DIAGRAM
1 YELLOW 2 WHITE 3 ORANGE 4 BLUE

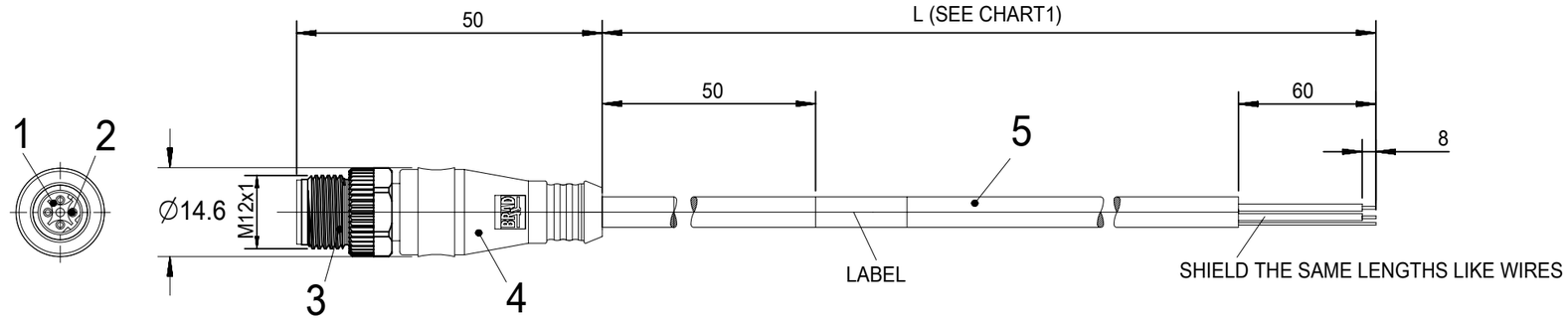


Table of lenght tolerances		
Over (m)	Up to and including (m)	Tolerance (mm)(+)
0	1	+40/0
1	5	+60/0
5	10	+80/0
10	20	+140/0
20	30	+160/0
30	-	1 % of lenght

CHART 1

1300480313	E10A00612M020
1300480295	E10A00612M050
1300480296	E10A00612M100
1300480297	E10A00612M200
1300480298	E10A00612M300
1300488191	E10A00612M005
1300488185	E10A00612M030
1300488192	E10A00612M150

CONNECTOR SPECIFICATION:

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

ITEM	DESCRIPCION	MATERIAL	FINISH
5	CABLE	TPU	GREEN
4	OVERMOULDING	TPU	BLACK
3	COUPLING NUT MA SW13	BRASS	NICKEL PLETED
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: 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

CURRENT REV DESC:

EC NO: 601422
DRWN: SSM 2018/07/04
CHK'D: SSM 2018/07/13
APPR: RSILLER 2018/07/17

INITIAL REVISION:
DRWN: RSILLER 2014/10/16
APPR: CBURGER 2014/10/16

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 130048

molex

CSE M12 ETH 4P DC MA
STR WSOR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130048-011	PSD	001	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART 1	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/07/17 06:46:56

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

E	1	0	A	X	X	X	1	2	X	X	X	X	X

- Networ Protocol
  E=Ethernet
- First Connector
  1=M12 Threaded 4 Pole D-code
- Second Connector
  0=No Connector
- Wiring Scheme
  A=4 Pole
- HEAD TYPE
  006 Plugs male straight and single ended
- Cable type
  2x2x22AWG
  TPU, GREEN, SHIELD
- LENGTH UNIT
  C-cm
  M-m
  K-km
  F-feet
- LENGTH
  Example:
  005 - 0,5M
  020 - 2M
  050 - 5M
  100 - 10M
  200 - 20M
  300 - 30M
- 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

FOR CABLE SPECIFICATION SEE 1202098313 / SD-120209-007

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SYMBOLS: EA = 0; EC = 0; EB = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; ▽ = 0

DIMENSION UNITS	SCALE
mm	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: 601422
DRWN: SSM 2018/07/04
CHK'D: SSM 2018/07/13
APPR: RSILLER 2018/07/17

INITIAL REVISION:
DRWN: RSILLER 2014/10/16
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molex

CSE M12 ETH 4P DC MA
STR WSOR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130048-011	PSD	001	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	130048	SEE CHART 1	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2018/07/17 06:46:56

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