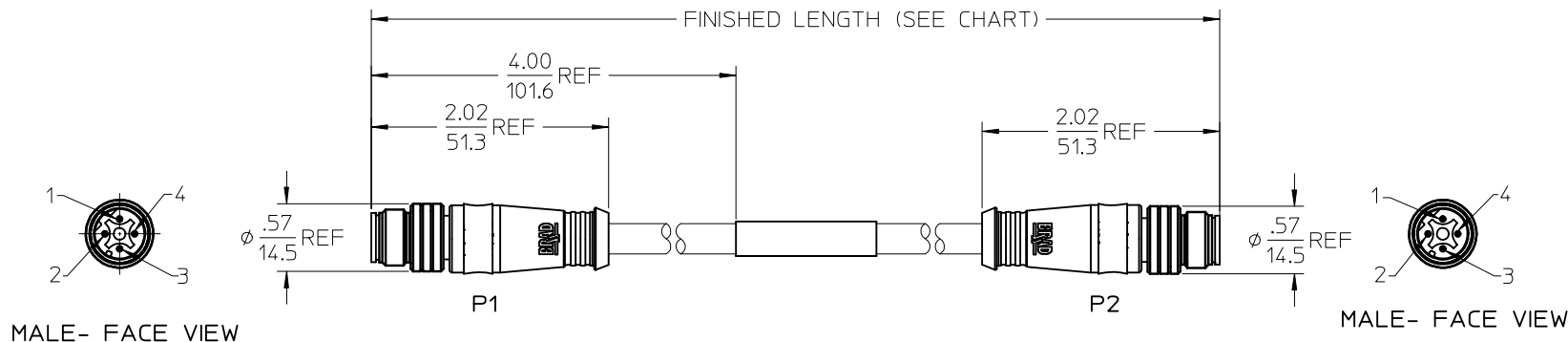


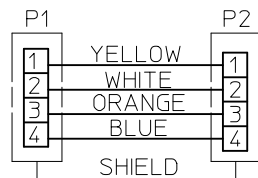


ADDITIONAL CABLE PARAMETERS

PHYSICAL CHARACTERISTICS:	
CONDUCTOR PAIR SIZE	#22 (7 X #30) BARE COPPER ALLOY
WIRE CROSS SECTION	0.34mm² (NOM)
INSULATION TYPE	POLYOLEFIN INSULATION
FOIL SHIELD	PLASTIC/ALUMINIUM FOIL WITH FOIL OUT
BRAID SHIELD	TINNED COPPER BRAID WITH MIN. 85% COVERAGE
OUTSIDE DIAMETER	Ø 6.7mm (.264")
JACKET INSULATION	GREEN PUR
PROFINET CABLE STYLE	TYPE C

ENVIRONMENTAL CHARACTERISTICS:		MECHANICAL CHARACTERISTICS FOR C-TRACK APPLICATIONS:	
FLAME RESISTANCE	FT1 APPROVED	MIN. BENDING RADIUS	15xCABLE DIAMETER
AGENCY CERTIFICATIONS	UL AND CSA	OPERATING WAY	5M OF TRAVEL
OPERATION TEMPERATURE	-20°C TO 60°C	SPEED	200M/Min.
STORAGE TEMPERATURE	-40°C TO 80°C	MAX. C-TRACK CYCLES	5 MILLION
HALOGEN FREE	IEC 60754-1	ACCELERATION	MAX. 2m/s
SILICONE FREE	YES	WELD SLAG RESISTANCE	NO TEST RESULTS AVAILABLE
CFC-FREE	YES		

IMPRINT: X N X 2x2xAWG22/7-9H(ST)C11Y INDUSTRIAL ETHERNET
PROFINET TYP C E48408 cULus AWM STYLE 20236
AWM I/II A/B 80°C 30 V FT1



WIRING DIAGRAM

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #22/4 SHIELDED PUR
- 4) ELECTRICAL DATA:
ACCORDING TO CAT5e ETHERNET STANDARD
MAX. VOLTAGE: 30V
MAX. CURRENT 1.5A
- 5) ENVIRONMENTAL:
PROTECTION IP67
TEMPERATURE RANGE: -20°C TO 60°C
- 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE,
VOLTAGE & AMPERAGE.
- 7) ASSEMBLY IS RoHS COMPLIANT.

QTY.	DESCRIPTION	MATERIAL	FINISH
1	LABEL	PLASTIC FILM	BLACK/YELLOW
2	INSERT	PUR	BLACK
8	PIN CONTACT	COPPER ALLOY	GOLD PLATED
2	M12 COUPLING NUT	BRASS	NICKEL
2	OVERMOLD	PUR	BLACK
1	ETHERNET CABLE-CAT5E	PUR JACKET	GREEN

UPDATED PART NUMBERS EC NO: IPG2016-0189 DRAWING: GUSTAFSON 2015/08/03 CHKD: BRUPERT 2015/10/02 APPR: BWOODMAN 2015/08/14	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .010 1 PLACE ± 0.25 ± .020 ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE IN/MM DRAWN BY DATE BRUPERT 2011/11/23 CHECKED BY DATE APPROVED BY DATE JFMURPHY 2012/04/17 MATERIAL NO. SEE CHART SIZE B	SCALE 1:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION	TITLE MIC 4P M/MP ST/ST D-CODE	MOLEX INCORPORATED DOCUMENT NO. SD-120108-041 SHEET NO. 1 OF 2

1098765432120108

F
E
D
C
B
A

MATERIAL NO.	ENGINEERING NO.
1201080236	E11A06011M010
1201080199	E11A06011M020
1201080237	E11A06011M030
1201080213	E11A06011M040
1201080238	E11A06011M050
1201080239	E11A06011M060
1201080240	E11A06011M070
1201080241	E11A06011M080
1201080242	E11A06011M090
1201080243	E11A06011M100
1201080244	E11A06011M120
1201080245	E11A06011M140
1201080246	E11A06011M150
1201080247	E11A06011M180
1201080248	E11A06011M200
1201080249	E11A06011M240
1201088256	E11A06011M250
1201080250	E11A06011M300
1201088257	E11A06011M350
1201080281	E11A06011M400
1201080251	E11A06011M500
1201080282	E11A06011M600
1201080283	E11A06011M700
1201080287	E11A06011M750
1201080284	E11A06011M800
1201080288	E11A06011M900
1201088201	E11A06011T100

E11A06011M010

CABLE TYPE

CABLE LENGTH
010--- 1 Meters
020--- 2 Meters
100--- 10 Meters
ETC.....

654321

UPDATED PART NUMBERS
EC NO: IPG2016-0189
TDRWNG:GUSTAFSON 2015/08/03
CHKD:BRUPERT 2015/10/02
APPR:BMOODMAN 2015/08/14

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .005
2 PLACES ± 0.13 ± .010
1 PLACE ± 0.25 ± .020
0 PLACE ± --- ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM
DRAWN BY DATE
BRUPERT 2011/11/23
CHECKED BY DATE
APPROVED BY DATE
JFMURPHY 2012/04/17
MATERIAL NO.
SEE CHART
SIZE B

SCALE
1:1
DESIGN UNITS
INCH
THIRD ANGLE PROJECTION
MIC 4P M/MP ST/ST D-CODE
molex
DOCUMENT NO.
SD-120108-041
SHEET NO.
2 OF 2

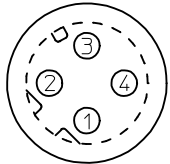
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

987654321

tb_frame_B_P_AM-T
Rev E1 2012/01/25

987654321

M12 4 POLE
MALE



VIEW FROM THE WIRES SIDE

Pin	Wire color
1	YELLOW
2	WHITE
3	ORANGE
4	BLUE

E11A06011XXXXX

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

Insert
A=4 Pole

HEAD TYPE
060 Plugs male straight / plugs male straight

Cable type
2x2x22AWG
PUR, Green, Shield

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

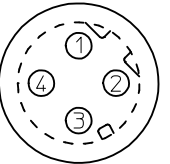
LENGTH
Example:
020 - 2M
060 - 6M
100 - 10M

OPTIONS
D- Decoupled (for Shielded version only)
H- 2x ID CARRIER

Table of lenght tolerances

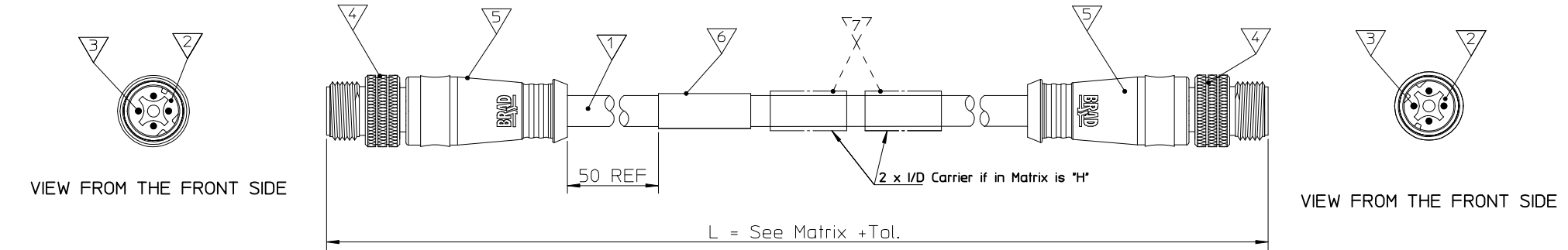
Over	Up to and including	Tolerance (+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	2% of length

M12 4 POLE
MALE



VIEW FROM THE WIRES SIDE

Pin	Wire color
1	YELLOW
2	WHITE
3	ORANGE
4	BLUE



Bill of Materials

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	-	ID CARRIER	SEE MATRIX	SEE MATRIX
6	1	LABEL	-	YELLOW
5	-	MOLDING MATERIAL	TPU	BLACK
4	2	COUPLING NUT MALE M12	CuZn38Pb3	CuNi3
3	8	CONTACT MALE	CuNi2Si	Cu/Ni2
2	2	INSERT M12 4P MALE DC	PUR	BLACK
1	-	CABLE 4x0.34 mm²	PUR	GREEN

UPDATED DRAWING
EC NO: IPG2016-0383
DRWN:AKONDRACIUK 2015/09/11
CHKD:MMALGAT 2015/09/11
APPR:MIWASIECZKO 2015/09/29

QUALITY SYMBOLS
▽=0
◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
0 PLACE ± --- ± ---
ANGULAR ± --- °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MDYSZEWSKA 2012/11/24
CHECKED BY DATE
HWALCZAK 2012/11/24
APPROVED BY DATE
MIWASIECZKO 2013/01/21
MATERIAL NO.
SEE MATRIX

SCALE

DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

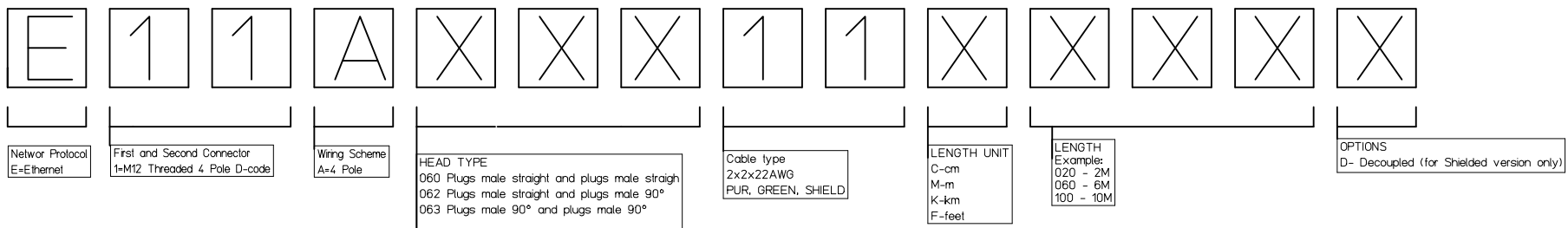
TITLE
CSE ETH ETH 4P DC MA PUR
MA XM DE SHLD GN NI

DOCUMENT NO.
SD-120108-051

SHEET NO.
1 OF 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

F



E

D

C

B

A

SEE CHART 1

1201080199	E11A06011M020
1201080200	E11A06311M020
1201080201	E11A06211M020
1201080213	E11A06011M040
1201080236	E11A06011M010
1201080237	E11A06011M030
1201080238	E11A06011M050
1201080239	E11A06011M060
1201080240	E11A06011M070
1201080241	E11A06011M080
1201080242	E11A06011M090
1201080243	E11A06011M100
1201080244	E11A06011M120
1201080245	E11A06011M140
1201080246	E11A06011M150
1201080247	E11A06011M180
1201080248	E11A06011M200
1201080249	E11A06011M240
1201080250	E11A06011M300
1201080251	E11A06011M500
1201080281	E11A06011M400
1201080282	E11A06011M600
1201080283	E11A06011M700
1201080284	E11A06011M800
1201080287	E11A06011M750
1201080288	E11A06011M900
1201080295	E11A06311M010
1201080296	E11A06311M050
1201080297	E11A06311M100

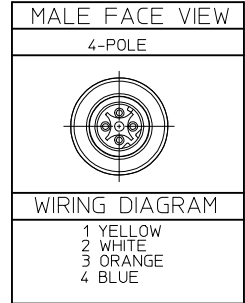


Table of length tolerances		
Over	Up to and including	Tolerance ^(*)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	2 % of length

ORIGINAL RELEASE
EC NO: IPG2013-0932
DRWN:MDYSZEWSKA 2012/11/24
CHKD:HWALCZAK 2012/11/24
APPR:MIWASIECZKO 2013/01/21

QUALITY SYMBOLS
▽=0
◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
0 PLACE ± --- ± ---
ANGULAR ± --- °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MDYSZEWSKA 2012/11/24
CHECKED BY DATE
HWALCZAK 2012/11/24
APPROVED BY DATE
MIWASIECZKO 2013/01/21
MATERIAL NO.
SEE CHART 1

SCALE

DESIGN UNITS
METRIC
FIRST ANGLE PROJECTION

TITLE
CSE ETH ETH 4P DC MA PUR
MA XM DE SHLD GN NI
DOCUMENT NO.
SD-120108-051
SHEET NO.
2 OF 2

molex

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION