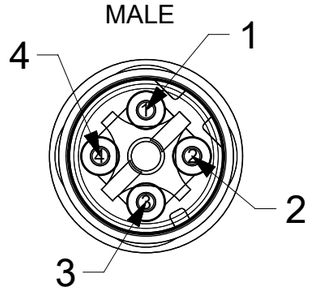
M12 4 POLE

MALE



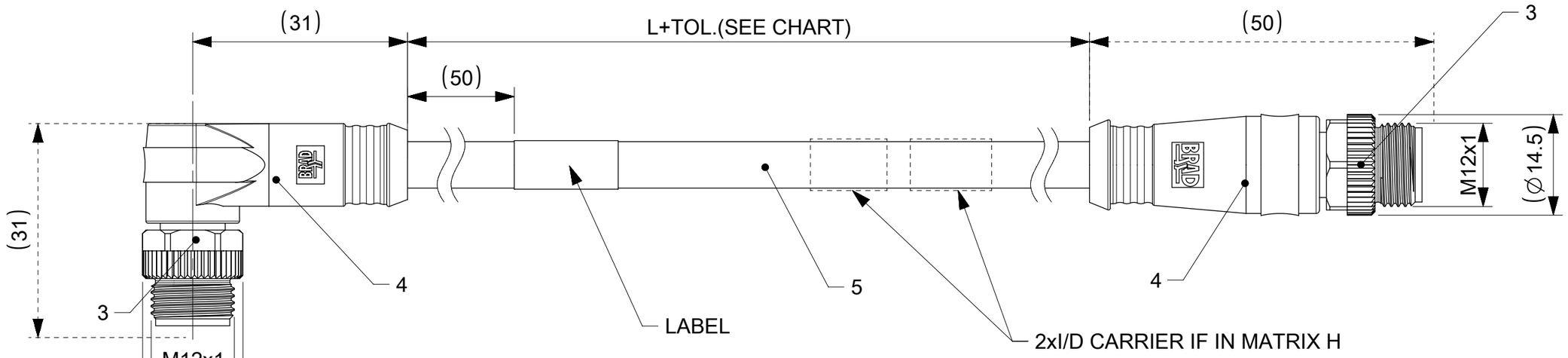
VIEW FROM THE SIDE

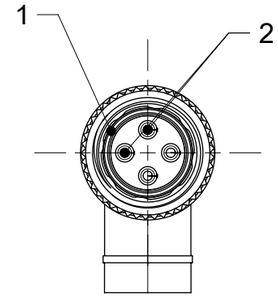
PIN	WIRE COLOR
1	YELLOW
2	WHITE
3	ORANGE
4	BLUE

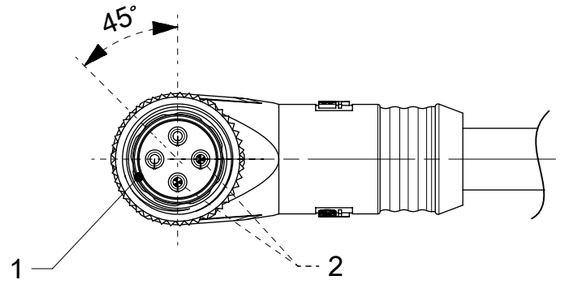
SHIELD CONNECTED TO THE HOUSING

TABLE OF LENGTH TOLERANCES		
OVER	UP TO AND INCLUDING (mm)	TOLERANCE(mm)
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1% OF LENGTH

CONNECTOR SPECIFICATION:	
VOLTAGE RATING	MAX 30V
AMPERAGE RATING	1.5A
PROTECTION	IP67
OPERATING TEMPERATURE	SEE SHEET 2







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

DOCUMENT STATUS	P1	RELEASE DATE	2020/07/30 13:26:45

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FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FB = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm — SCALE: 1.5:1

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: DOCUMENT CHANGED FROM RSD TO SD

EC NO: 642541
DRWN: FDAFERNER 2020/07/30
CHK'D: RSILLER 2020/07/30
APPR: RSILLER 2020/07/30

INITIAL REVISION:
DRWN: SSM 2017/12/22
APPR: MIWASIECZKO 2018/01/24

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

molex

CSE M12 ETH 4P DC MA RA MA STR WSOR

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1201088702	PSD	000	A3

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

FORMAT: master-tb-vxyz-A3
DATE: 2020/01/14
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PART No. MATRIX

E	1	1	A	0	6	2	1	2	M	X	X	X	X
													OPTIONS

- E=ETHERNET
- HEADS: 1 = M12 D-Coding, 1 = M12 D-Coding
- WIRING TYPE: A=4 Pole STRAIGHT WIRED
- HEADS STYLE: 062 = MALE RA / MALE STR
- CABLE TYPE: SEE CABLE TABLE
- UNITS: M=METER, T=10 x METER
- LENGTH EXAMPLES: 005=0.5m, 010=1m, 150=15m
- H=2 PCS. OF I/D Carrier

CABLE TABLE

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	STATIC	FLEXING	DRAG CHAIN TESTED	OTHER
CAB-12 4P	0.34mm^2	TPU GREEN	STYLE 21215	YES	-40° TO +80°C >15x0.D	-20° TO +60°C >15x0.D	2 MIO CYCLES	WELD SLAG RESISTANCE

TABLE 1

MOLEX PN	ENGINEERNG NO	L(mm)
1201088702	E11A06212M010	1000
1201088703	E11A06212M020	2000
1201088719	E11A06212M015	1500
1201088742	E11A06212M050	5000
1201088743	E11A06212M100	10000

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FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FD = 0

DIVISIONAL SYMBOLS

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: DOCUMENT CHANGED FROM RSD TO SD

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molex

CSE M12 ETH 4P DC MA RA MA STR WSOR

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1201088702	PSD	000	A3

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	120108	SEE TABLE 1	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2020/07/30 13:26:45

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DATE: 2020/01/14

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