

PART NO. MATRIX

E 1 1 A 0 6 0 1 6 B K M X X X X

E = ETHERNET/
EtherCat

HEADS:
1=M12 D-Coding
1=M12 D-Coding

HEADS STYLE:
060 = MALE STR/MALE STR

WIRING TYPE:
A=4 Pole
(STRAIGHT WIRED)

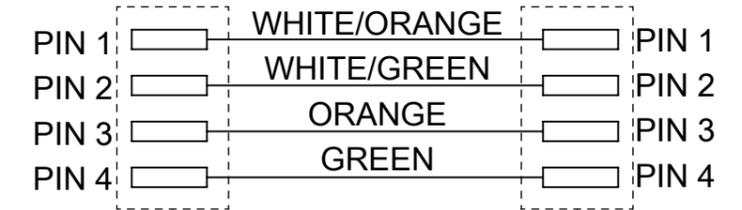
CABLE TYPE :

Units:
M = Meter
T = 10x Meter

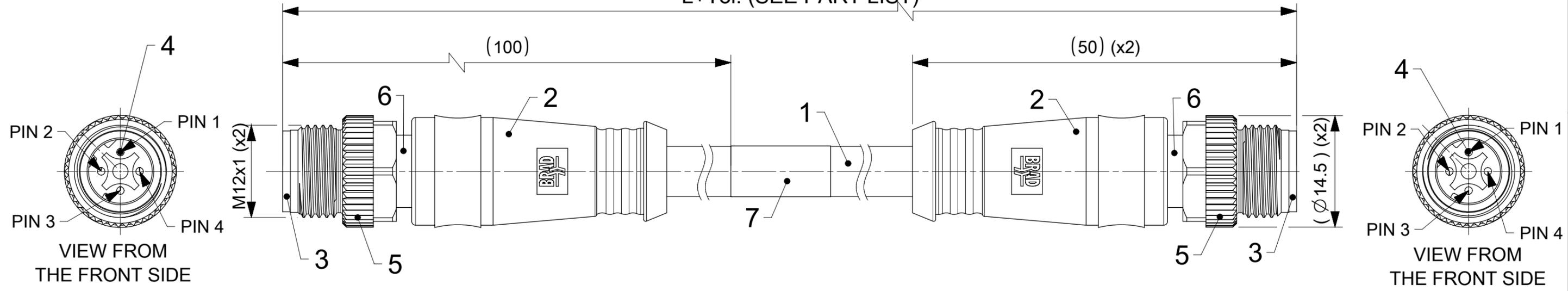
Length
Examples:
005 = 0.5 m
010 = 1 m
050 = 5 m
100 = 10 m
150 = 15 m

H=2 PCS
ID CARRIER

WIRING DIAGRAM



L+Tol. (SEE PART LIST)



NOTES :

ELECTRICAL DATA :

VOLTAGE RATING : 30V AC/DC

AMPERAGE RATING : 1.5A

INSULATION RESISTANCE : 10⁹Ω MIN.

MATING CYCLES : MIN. 100

ENVIRONMENTAL :

PROTECTION : IP67 IN MATED AND LOCKED POSITION

OPERATING TEMPERATURE : -25°C TO +85°C

TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C

CABLE SPECIFICATION

CONDUCTOR:

MATERIAL: BARE COPPER

SECTION: 0.12mm² - 24AWG

INSULATION:

COMPOUND: PE

DIAMETER: Ø1.20±0.10mm

COLOR: WHITE/ORANGE, WHITE/GREEN,
ORANGE, GREEN

JACKET:

COMPOUND: PUR

COLOR: BLACK

DIAMETER: Ø6.5±0.25mm

BOM

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
7	1	LABEL	VINYL	YELLOW
6	2	M12 SHIELD SLEEVE	BRASS	Ni-PLATED
5	2	NUT M12 MA HEX SW13	BRASS	Ni-PLATED
4	8	CONTACT 10 MA STA	BRASS	SELECTED GOLD OVER NICKEL
3	2	INSERT M12 MA 4P DC	PUR	BLACK
2	-	OVER MOULD	TPU	BLACK
1	-	CABLE #24-2-2 TEAL WELD SLAG RESIST	TPU	TEAL

PART LIST

MOLEX PN	ENGINEERING NO	L[mm]
1201088950	E11A06016BKM005	500
1201088951	E11A06016BKM010	1000
1201088952	E11A06016BKM020	2000
1201088953	E11A06016BKM030	3000
1201088954	E11A06016BKM040	4000
1201088955	E11A06016BKM050	5000
1201088956	E11A06016BKM100	10000
1201088957	E11A06016BKM150	15000
1201088958	E11A06016BKM200	20000
1201088959	E11A06016BKM250	25000
1201088960	E11A06016BKM300	30000

TABLE 1

CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

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FUNCTIONAL SYMBOLS: $\nabla/A = 0$, $\nabla/E = 0$, $\nabla/V = 0$

DIVISIONAL SYMBOLS

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SCALE: 2:1

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

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 120108

MATERIAL NUMBER: SEE PART LIST

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 1

EC NO: 689781

DRWN: MDHARMANTI 2021/08/03

CHK'D: RSILLER 2021/12/21

APPR: RSILLER 2021/12/21

INITIAL REVISION:

DRWN: MDHARMANTI 2021/08/03

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molex

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

PRODUCT CUSTOMER DRAWING

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