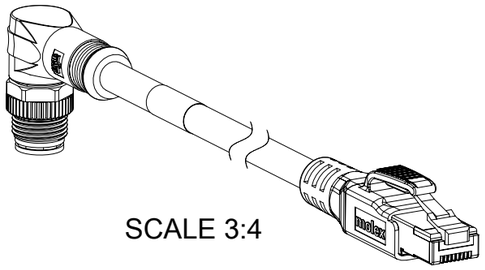
PART No. MATRIX

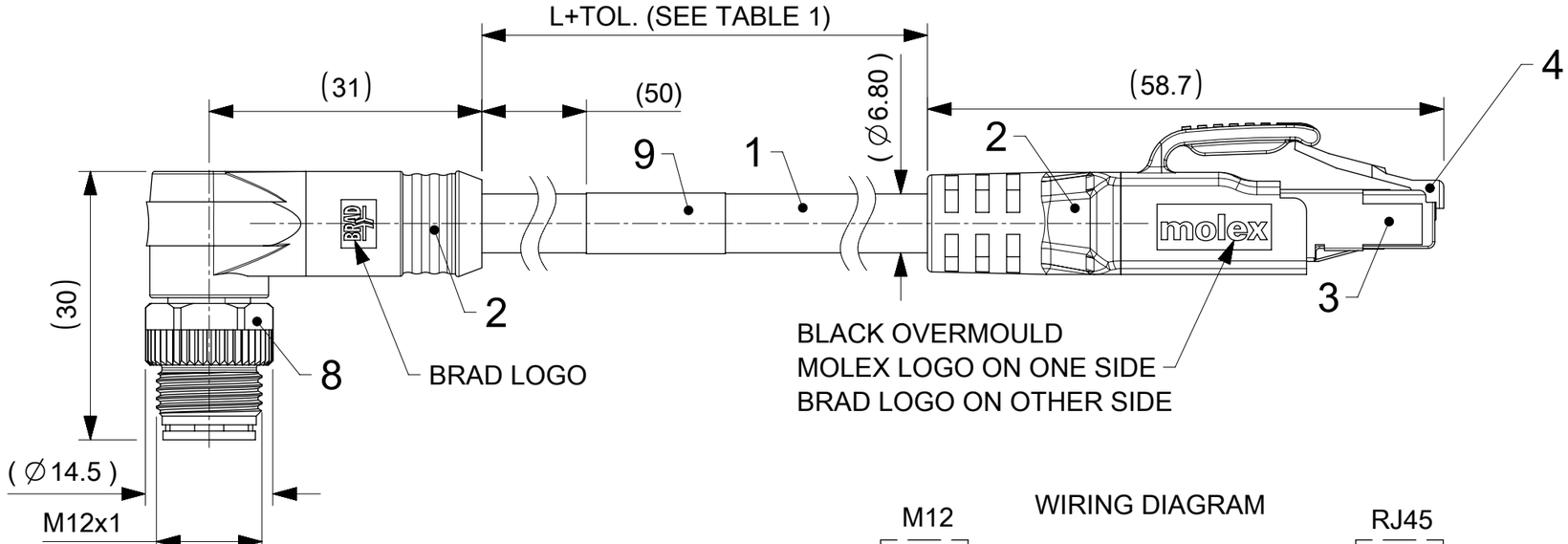
OPTIONS

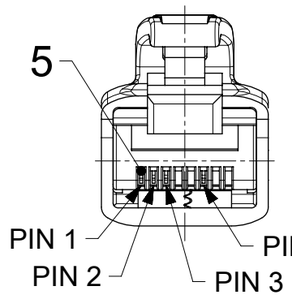
E	1	6	A	0	6	2	1	2	M	X	X	X	X

- E=ETHERNET
- HEADS: 1 = M12 4P D-Code; 6 = RJ45
- WIRING TYPE: A=4 Pole (STRAIGHT WIRED)
- HEADS STYLE: 062 = MALE M12 RA(90°) / RJ45 PLUG STR
- CABLE TYPE : CABLE 12
- UNITS: M= METER; T= 10x METER
- LENGTH EXAMPLES: 005=0.5 m; 010=1 m; 150=15 m; T100=100 m
- H= 2 PCS. OF I/D Carrier



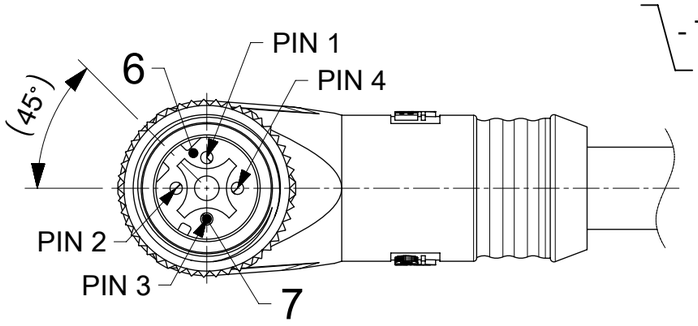
SCALE 3:4





CONNECTOR PIN ASSIGNMENT
VIEW FROM THE FRONT SIDE
M12 HIDED FOR CLARITY

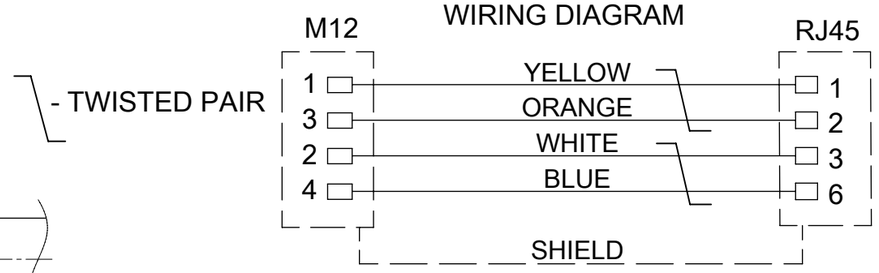
SCALE 2:1



VIEW FROM THE FRONT SIDE

SCALE 2:1

WIRING DIAGRAM



SHIELD CONNECTED TO THE HOUSING

TECHNICAL DATA :
M12 D-Coded to RJ45 CAT5e Cordset AWG22
90° green inline 360° shielded.

Poles : 4
Max. Voltage : 30V A.C. or 42V D.C.
Max. Current : 1.5A
Contact resistance : ≤10mΩ
Insulation Withstand : >100MΩ
Protection M12 / RJ45 : IP67 / IP20
Temparature range : -25°C to 85°C

Transmission characteristics
ACCORDING TO ISO 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C

Packaging :
The cordsets are packed in a polybag.

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
9	1	LABEL	VINYL	YELLOW
8	1	COUPLING NUT M12 MALE	BRASS	NICKEL
7	4	CONTACTS M12 MALE	BRASS	SELECTIVE GOLD
6	1	INSERT 4P MALE	PUR	BLACK
5	4	CONTACT RJ45 MALE	PB	SELECTIVE GOLD
4	1	PLUG RJ45 TRANSPARENT	PC	-
3	1	RJ-45 PLUG, 4C, SHLD	BRASS	TIN
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE ProfiNET 2x2x#22 WSOR SH	TPU	GREEN

TABLE 1

ITEM NO.	MOLEX PN	ENGINEERING NO.	LENGTH (L) [m]
1	1201088392	E16A06212M030	3
2	1201088558	E16A06212M020	2

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/02 12:00:41

TABLE 2

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

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FD = 0
DIVISIONAL SYMBOLS

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

DIMENSION UNITS: mm; SCALE: 3:2
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:
EC NO: 640263
DRWN: SSM 2021/04/01
CHK'D: RSILLER 2021/06/02
APPR: RSILLER 2021/06/02
INITIAL REVISION:
DRWN: JMARSZALEK 2016/03/08
APPR: RSILLER 2021/06/02

molex

CSE M12 ETH 4P DC MA RA WSOR RJ45
STR XM DE SHLD D6.8 GN

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1201088392	PSD	000	A

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

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

FORMAT: master-lh.mpd-A3
DATE: 2020/01/14
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