

WIRING DIAGRAM



NOTES:

- ELECTRICAL DATA:
MAX. VOLTAGE RATING 60 VDC
MAX. CURRENT PER CONTACT 1.5 A
- ENVIRONMENTAL:
OPERATING TEMPERATURE SEE SHEET 2
INDEX OF PROTECTION RJ45: IP20
INDEX OF PROTECTION M12: IP67
- FOR MORE INFORMATION SEE PRODUCT SPECIFICATION 1201080202 PS P00

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
9	4	CONTACTS M12 MALE	BRASS	SELECTIVE GOLD
8	1	INSERT 4P MALE	PUR	BLACK
7	1	COUPLING NUT M12 MALE	BRASS	NICKEL
6	1	LABEL 50x69.8	VINYL	WHITE
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLD	TPU	BLACK
3	1	SHIELD	BRASS	TIN
2	1	PLUG RJ45 TRANSPARENT	POLYCARBONATE	---
1	4 or 8	CONTACT RJ45 MALE	PHOSPHOR BRONZE	SELECTIVE GOLD

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

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

DIMENSION UNITS: mm, SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED):
ANGULAR TOL ± 1.0°
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.05
1 PLACE ± 0.1
0 PLACES ± 0.2

DIVISIONAL SYMBOLS: DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION:

DRAWING: A3-SIZE, SERIES: 120108, MATERIAL NUMBER: SEE SHEET 3, CUSTOMER: GENERAL MARKET, SHEET NUMBER: 1 OF 3

EC NO: 672185
DRWN: MDHARMANTI 2021/06/22
CHK'D: RSILLER 2021/09/20
APPR: RSILLER 2021/09/20

INITIAL REVISION:
DRWN: JMARSZALEK 2015/07/07
APPR: RSILLER 2020/05/12

DOCUMENT NUMBER: 1201080256, DOC TYPE: PSD, DOC PART: 000, REVISION: A5

molex
CSE M12 RJ45 4P DC MA STR MA STR XM
PRODUCT CUSTOMER DRAWING

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

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

E=Ethernet

Heads:
1=M12x1
4P D-Code
6=RJ45

Wiring
type

Heads style:
060=MA M12 STR
/ RJ45 Plug STR

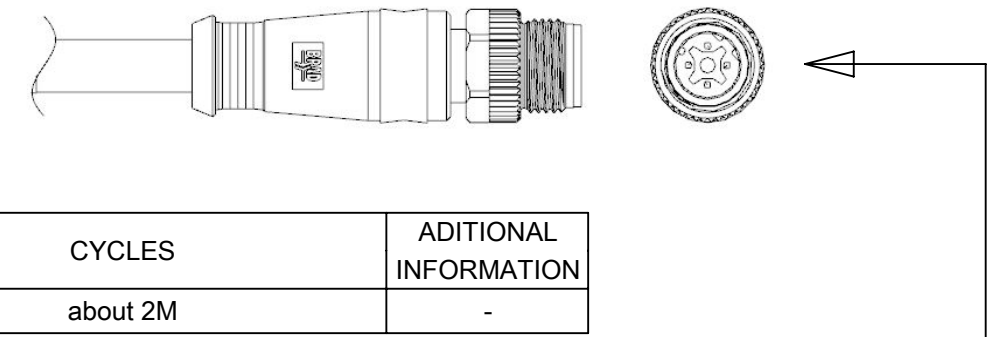
Cable type:
See cable table

Units:
M=Meter
T=10x meter

Length
Examples:
005=0.5 units
010=1 units
150=15 units

H= 2 pcs. of
I/D Carrier

FOR CABLE TYPE "12" & "16"
KNURLED/HEXAGONAL NUT - 1202070090



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	CABLE O.D.	APPLICATION	CROSS SECTION	CABLE JACKET	UL	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	CYCLES	ADDITIONAL INFORMATION
11	∅6.8mm	PROFINET TYPE C	22AWG	PUR GREEN	STYLE 20549	-40°C to +80°C / min.5xO.D.	-20°C to +70°C / min.7.5xO.D.	about 2M	-

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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CABLE AND STDS UPDATED						
∇/A = 0	DIMENSION UNITS	SCALE							
∇/E = 0	mm	1:1							
∇/V = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0 °		EC NO: 672185						
	4 PLACES ±	DRWN: MDHARMANTI 2021/06/22							
	3 PLACES ±	CHK'D: RSILLER 2021/09/20							
	2 PLACES ± 0.05	APPR: RSILLER 2021/09/20							
	1 PLACE ± 0.1	INITIAL REVISION:							
0 PLACES ± 0.2	DRWN: JMARSZALEK 2015/07/07		DOCUMENT NUMBER						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	DOC TYPE	DOC PART	REVISION
			A3-SIZE	120108	1201080256	GENERAL MARKET	PSD	000	A5
					SEE SHEET 3				SHEET NUMBER
									2 OF 3

