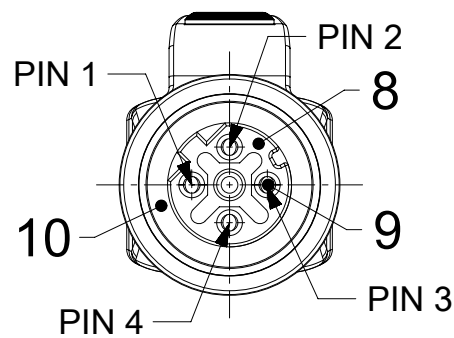
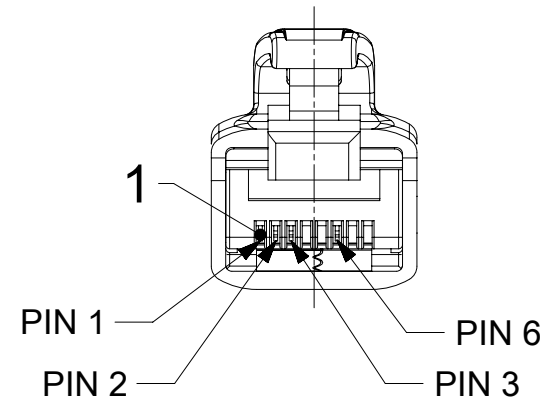
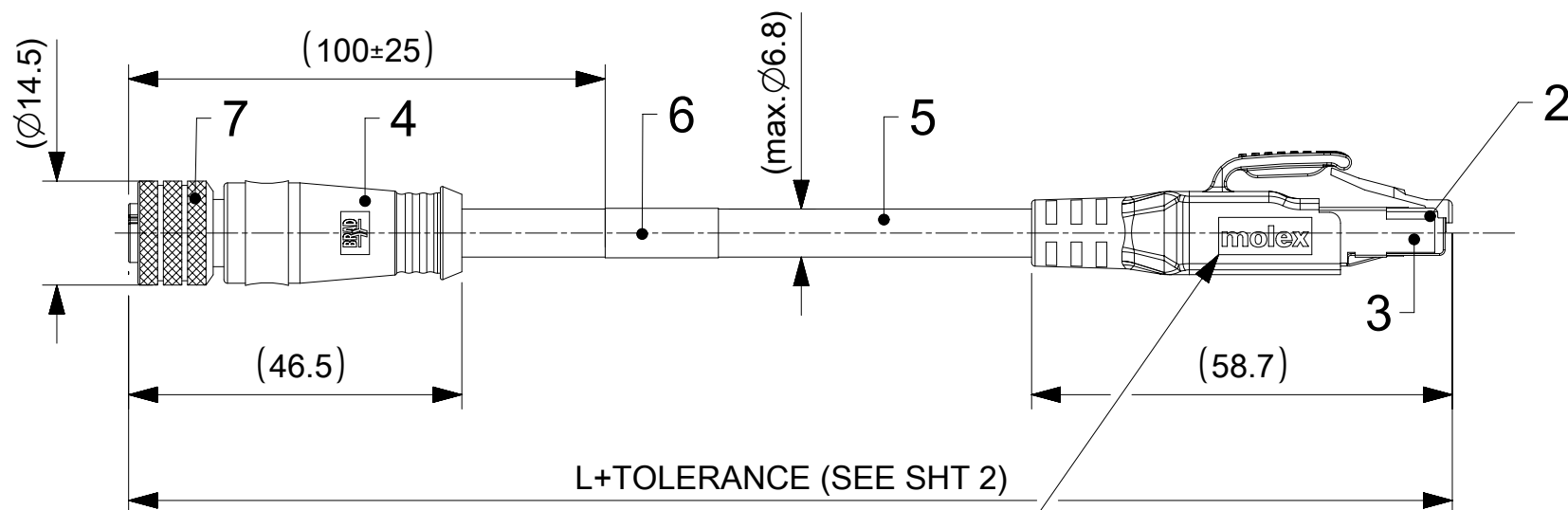
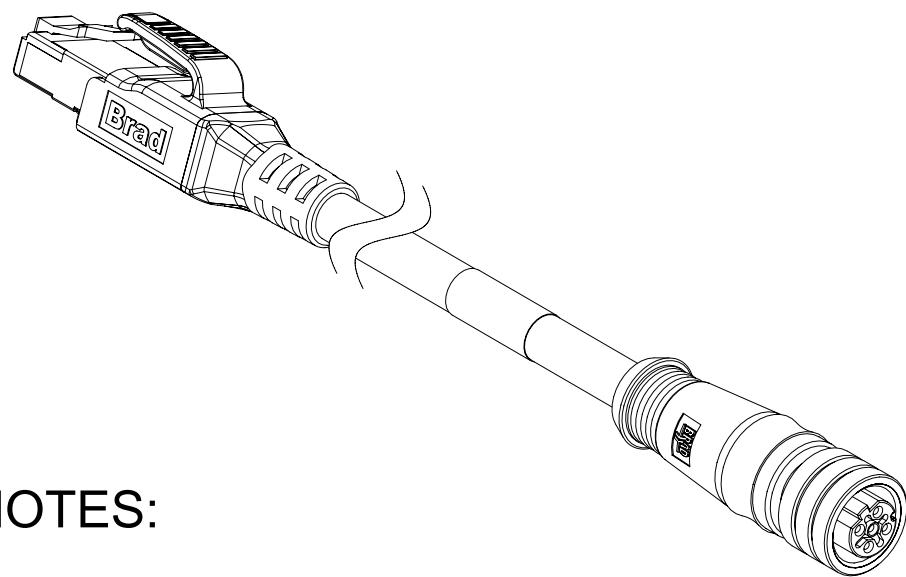




FRONT VIEW
SCALE 2:1



FRONT VIEW
SCALE 2:1



WIRING DIAGRAM

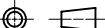


BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
10	1	ORING RED	FPM	---
9	4	CONTACTS M12 MALE	BRASS	SELECTIVE GOLD
8	1	INSERT 4P FEMALE	PUR	BLACK
7	1	COUPLING NUT M12 FEMALE	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

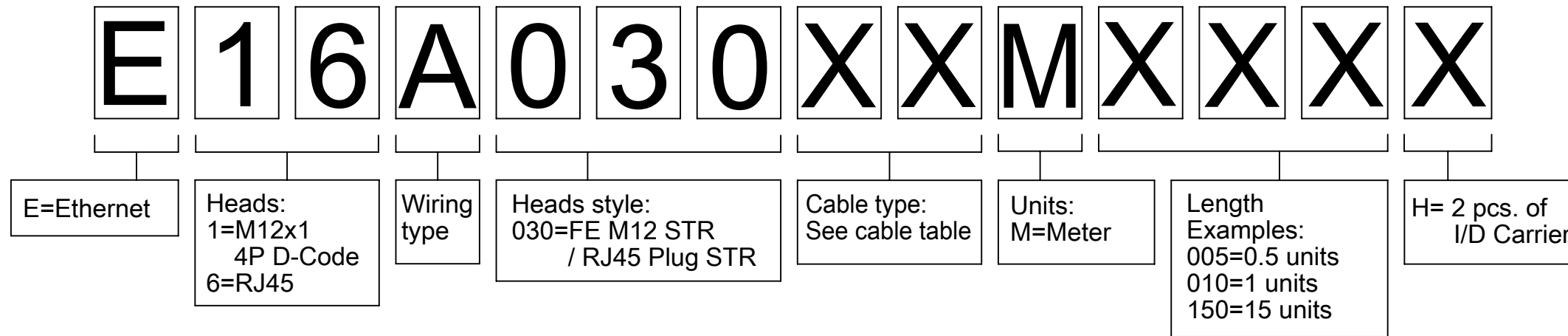
NOTES:

- 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

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE AND STDS UPDATED			molex						
	mm		1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 672185 DRWN: SSM 2021/06/23 CHK'D: RSILLER 2021/09/20 APPR: RSILLER 2021/09/20			CSE M12 RJ45 4P DC FE STR MA STR XM								
	ANGULAR TOL ± 1.0°													
	4 PLACES ±													
	3 PLACES ±													
	2 PLACES ± 0.05													
	DIVISIONAL SYMBOLS	1 PLACE ± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2020/02/25 APPR: RSILLER 2020/05/12			DOCUMENT NUMBER 1201080264		DOC TYPE PSD	DOC PART 000	REVISION B			
		0 PLACES ± 0.5												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 120108		MATERIAL NUMBER SEE SHEET 2		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 2		

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

OPTIONS



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.	up to 5 Mio	-
12	6.7mm	PROFINET TYPE C	22AWG	TPU BASED GREEN	STYLE 21215	-40°C to +80°C / min.5xO.D.	-25°C to +80°C / min.15xO.D.	about 2M, min.15xO.D., -5°C to +60°C	WSOR
16	6.5mm	-	24AWG	TPU BASED TEAL	STYLE 21215	-40°C to +80°C / min.6xO.D.	-20°C to +50°C	1M, min.10xO.D. / 2M min.20xO.D. @20°C	WSOR

PART LIST

No.	MOLEX P/N	ENGINEERING NO.	L (CABLE LENGTH)
1	1201080264	E16A03011M010	1m
2	1201080265	E16A03011M020	2m
3	1201080266	E16A03011M050	5m
4	1201088741	E16A03011M900	90m
5	1201088261	E16A03011M300	30m
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
19			
20			
21			
22			
23			
24			
25			

CABLE LENGTH TOLERANCES

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

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE AND STDS UPDATED	molex CSE M12 RJ45 4P DC FE STR MA STR XM						
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)											
$\frac{F}{A} = 0$	ANGULAR TOL ± 1.0°		EC NO: 672185			PRODUCT CUSTOMER DRAWING						
$\frac{F}{C} = 0$	4 PLACES ±		DRWN: SSM 2021/06/23									
$\frac{F}{E} = 0$	3 PLACES ±		CHK'D: RSILLER 2021/09/20									
DIVISIONAL SYMBOLS	2 PLACES ± 0.05		APPR: RSILLER 2021/09/20		DOCUMENT NUMBER					DOC TYPE	DOC PART	REVISION
	1 PLACE ± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2016/02/25		1201080264					PSD	000	B
	0 PLACES ± 0.5		APPR: RSILLER 2020/05/12									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
					A3-SIZE	120108	SEE SHEET 2		GENERAL MARKET		2 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/20	12:58:28
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