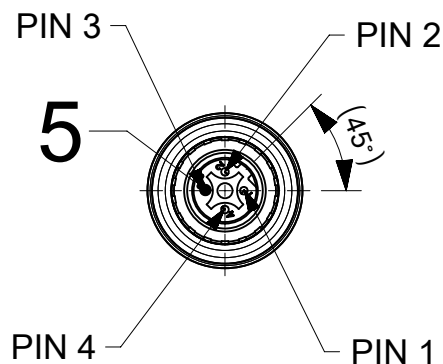




NOTES:
CABLE:
CABLE TYPE 12:
AWG 22 $\varnothing 6.8 \pm 0.2 \text{ mm}$ UL STYLE 21215
MIN. BENDING RADIUS: 7.5xD
COLOR: GREEN RAL 6018, MATERIAL: PUR
TEMPRETURE RATING (FIXED): -40 °C TO +80 °C
TEMPRETURE RATING (FLEXIBLE): -10 °C TO +70 °C

CABLE TYPE 16:
AWG 26/24 $\varnothing 6.5 \pm 0.2 \text{ mm}$ UL STYLE 21215
MIN. BENDING RADIUS: 7.5xD
COLOR: TEAL, MATERIAL: TPU
TEMPRETURE RATING (FIXED): -40 °C TO +80 °C
TEMPRETURE RATING (FLEXIBLE): -10 °C TO +70 °C

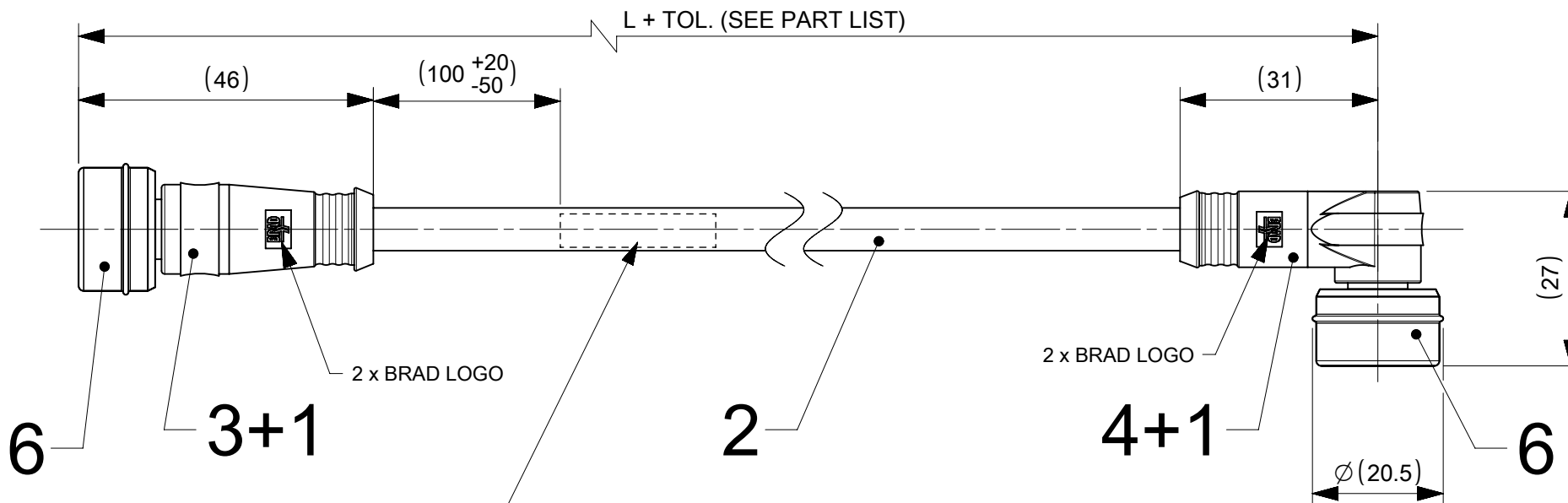
ELECTRICAL DATA:
POLES: 4, D-CODING
VOLTAGE RATING: 250V (UL)
CURRENT RATING: 4 A
INSULATION RESISTANCE. $10^8 \Omega$ MIN.
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C

ENVIRONMENTAL:
PROTECTION: IP67 For both, cable 16 and cable 12 in mated and locked position.
IP69k only with Cable 12 in mated and locked position.
MATING CYCLES: MIN. 100
TEMPERATURE RATING PLUG: -40°C TO +85°C

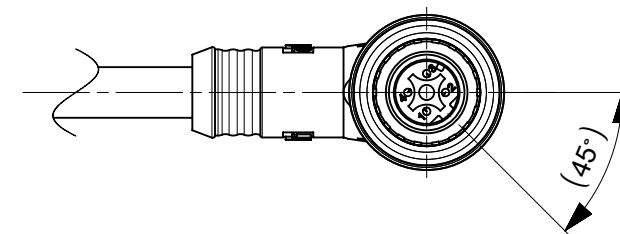
BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	OVERMOLD	TPC	BLACK
2	-	CABLE	SEE NOTES	SEE NOTES
3	1	SLEEVE SHLD STR	BRASS	NICKEL
4	1	M12-CLOSURE CAP-90 SHIELDED	BRASS	Ni-PLATED
5	8	CONTACT MALE	BRASS	SELECTIVE GOLD
6	2	PLUG U12 4P DC MA SHLD	-	-

DOCUMENT STATUS	P1	RELEASE DATE	2023/11/21	12:10:37
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CABLE PRINTING :
Molex PN OLD ENG NO MX(YYWW*)
*Where - YY-Year, WW-Week
Example for production date year 2022 week 42:
Molex 1204061025 EYYAS6212M010 MX2242



SCALE 1:2

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGHT (mm)	RAW CABLE
1204061025	EYYAS6212M010	1000	CABLE 12
1204061026	EYYAS6212M020	2000	CABLE 12
1204061027	EYYAS6212M050	5000	CABLE 12
1204061028	EYYAS6212M100	10000	CABLE 12
1204061029	EYYAS6216M010	1000	CABLE 16
1204061030	EYYAS6216M020	2000	CABLE 16
1204061031	EYYAS6216M050	5000	CABLE 16
1204061032	EYYAS6216M100	10000	CABLE 16

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	SCALE	2:1	CURRENT REV DESC: CHANGED FROM MOLEX INTERNAL TO GENERAL MARKET
$\nabla/A = 0$	mm	2:1	GENERAL TOLERANCES (UNLESS SPECIFIED)	EC NO: 769484
$\nabla/E = 0$	4 PLACES	$\pm$	ANGULAR TOL $\pm 1.0^\circ$	DRWN: RSCHIEBER 2023/11/21
$\nabla/F = 0$	3 PLACES	$\pm$	INITIAL REVISION:	CHK'D: RSILLER 2023/11/21
DIVISIONAL SYMBOLS	2 PLACES	± 0.05	DRWN: ARPITT 2022/08/10	APPR: RSILLER 2023/07/14
	1 PLACE	± 0.3	THIRD ANGLE PROJECTION	DRAWING
	0 PLACES	± 0.5	A3-SIZE	SERIES
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		120406	MATERIAL NUMBER
			SEE PART LIST	CUSTOMER
			GENERAL MARKET	SHEET NUMBER
			1 OF 2	

molex

CSE U12 4P DC MA STR WSOR RA XM DE SHLD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1204061025

DOC TYPE

PSD

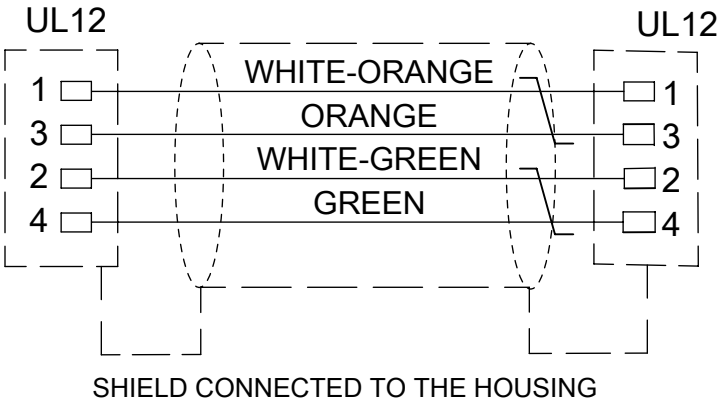
DOC PART

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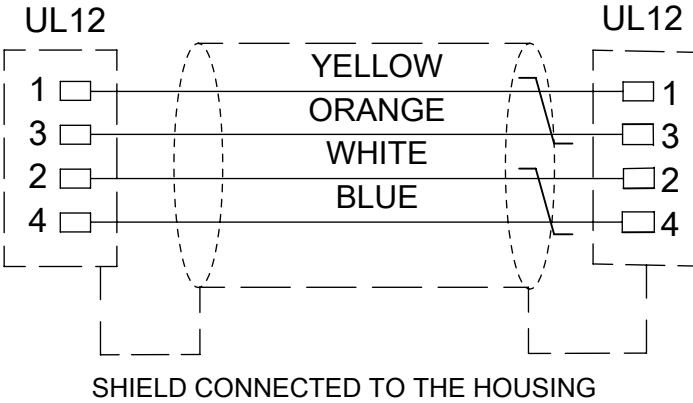
REVISION

A1

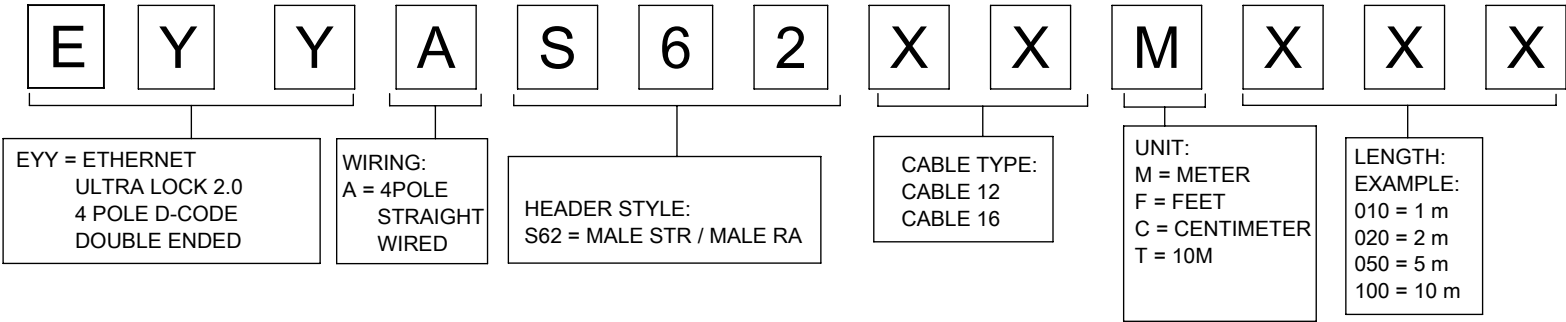
WIRING DIAGRAM (CABLE 16)



WIRING DIAGRAM (CABLE 12)



PART No MATRIX



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: CHANGED FROM MOLEX INTERNAL TO GENERAL MARKET				
	mm		1:1						
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
 = 0	ANGULAR TOL ± 1.0 °				CSE U12 4P DC MA STR WSOR RA XM DE SHLD				
 = 0	4 PLACES ±				EC NO: 769484				
DIVISIONAL SYMBOLS	3 PLACES ±				DRWN: RSCHIEBER 2023/11/21				
	2 PLACES ± 0.05				CHK'D: RSILLER 2023/11/21				
	1 PLACE ± 0.3				APPR: RSILLER 2023/11/21				
0 PLACES ± 0.5				PRODUCT CUSTOMER DRAWING					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
				1204061025		PSD	000	A1	
THIRD ANGLE PROJECTION				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				SEE PART LIST		GENERAL MARKET		2 OF 2	
				DRAWING		SERIES			
				A3-SIZE		120406			