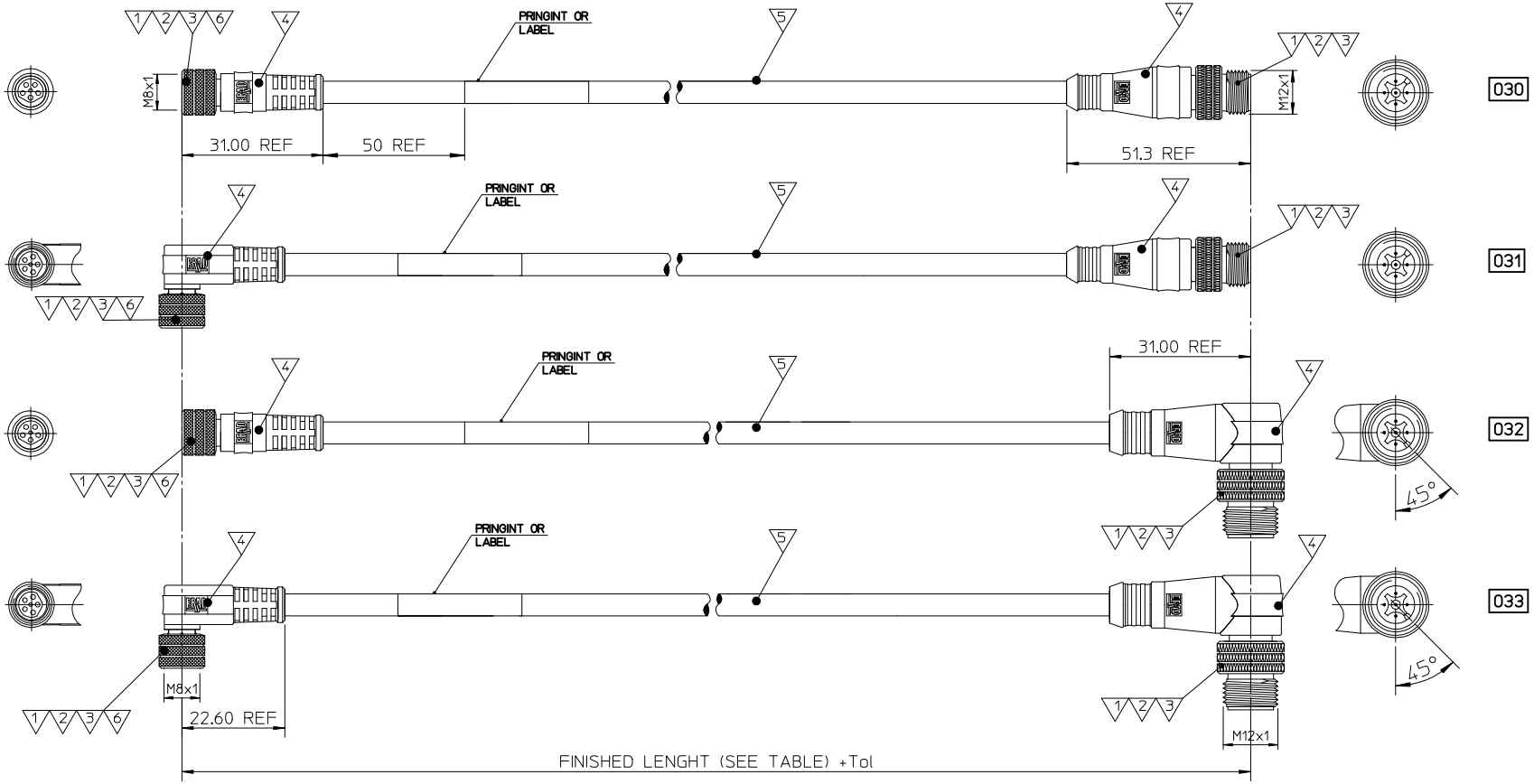
S1 FEMALE SIDES M8
FACE VIEWS

S2 MALE SIDES M12
FACE VIEWS



CONNECTOR SPECIFICATION:

VOLTAGE RATING	3-4POL:60V/AC-75V/DC | 5P/60V
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP68
OPERATING TEMPERATURE	-25°C TO 80°C

ITEM	PART	MATERIAL	FINISH
6	O-RING	VITON	---
5	CABLE	SEE TABLE	---
4	OVERMOULDING	TPU UF NATURAL C98A10	---
4	OVERMOULDING	MASTERBATCH COLORANT	---
3	COUPLING NUT	SEE SPECIAL TYPES	---
2	PIN CONTACT	COPPER ALLOY	GOLD OR NICKEL PLATED
1	INSERT	PUR	BLACK

ORIGINAL RELEASE
EC NO: IPG2013-1021 2012/11/24
DRWN:HWALCZAK 2012/11/24
CH'KD:JMARSZALEK 2013/01/14
APPR:MIWASIECZKO 2013/01/15
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: HWALCZAK DATE: 2012/11/24
CHECKED BY: JMARSZALEK DATE: 2013/01/14
APPROVED BY: MIWASIECZKO DATE: 2013/01/15

TITLE: CSE M8 M12 XP XC FE MA XM DE

molex

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-120087-045
SHEET NO.: 1 OF 3
SIZE: A3

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SPECIAL TYPES

4	8	X	X	X	X	0	0	X	X	X	X	X		

Thread M8x1 Thread M12x1

POLES ▽1
3- INSERT 3 POLES
4- INSERT 4 POLES
5- INSERT 5 POLES

HEAD TYPE
030 Plugs female M8 and male M12 straight
031 Plugs female M8 90° and male M12 straight
032 Plugs female M8 straight and male M12 90°
033 Plugs female M8 and male M12 90°

CABLE TYPES ▽5

E02 = 0,25mm², PVC black
E18 = 0,2mm², PVC yellow braid DC
H08 = 0,25mm², PUR black LSOH
H69 = 0,2mm², PUR grey LSOH SCR
I02 = 0,25mm², PVC grey CEI
P02 = 0,25mm², PUR/PVC black
P08 = 0,25mm², PUR yellow HIFLEX
P82 = 0,34mm², PUR orange irradiated DC
S20 = 0,34mm², PVC yellow SJTO braid
S26 = 0,34mm², PVC yellow SJTO braid AC

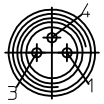
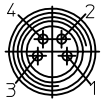
LENGTH UNIT
C-cm
M-m
K-km
F-feet

LENGTH
Example:
020 - 2M
060 - 6M
100 - 10M

COUPLING NUT ▽3
blank and 3-standard (BRASS)
1 - STAINLESS STEEL
5 - DELRIN
7 - TEFLON COAT

PLUG MATERIAL ▽4
blank-standard (BLACK)
A-GREY
Y-YELLOW
H-standard with ID carrier ▽7

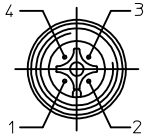
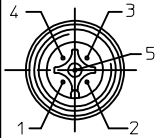
FEMALE M8 FACE VIEW

3-POLE	4-POLE	5-POLE
		

WIRING DIAGRAM

1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY or GREEN/YELLOW

MALE M12 FACE VIEW

3-POLE	4-POLE	5-POLE
		

WIRING DIAGRAM

1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY or GREEN/YELLOW

Table of lenght tolerances mm

OVER	UP TO	TOLERANCE +
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	-	+2% OF LENGHT

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CHECKED BY: JMARSZALEK DATE: 2013/01/14
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MATERIAL NO.: SEE CHART

TITLE: CSE M8 M12 XP XC FE MA XM DE

molex

DOCUMENT NO.: SD-120087-045
SHEET NO.: 2 OF 3
SIZE: A3

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