

F

E

D

C

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A

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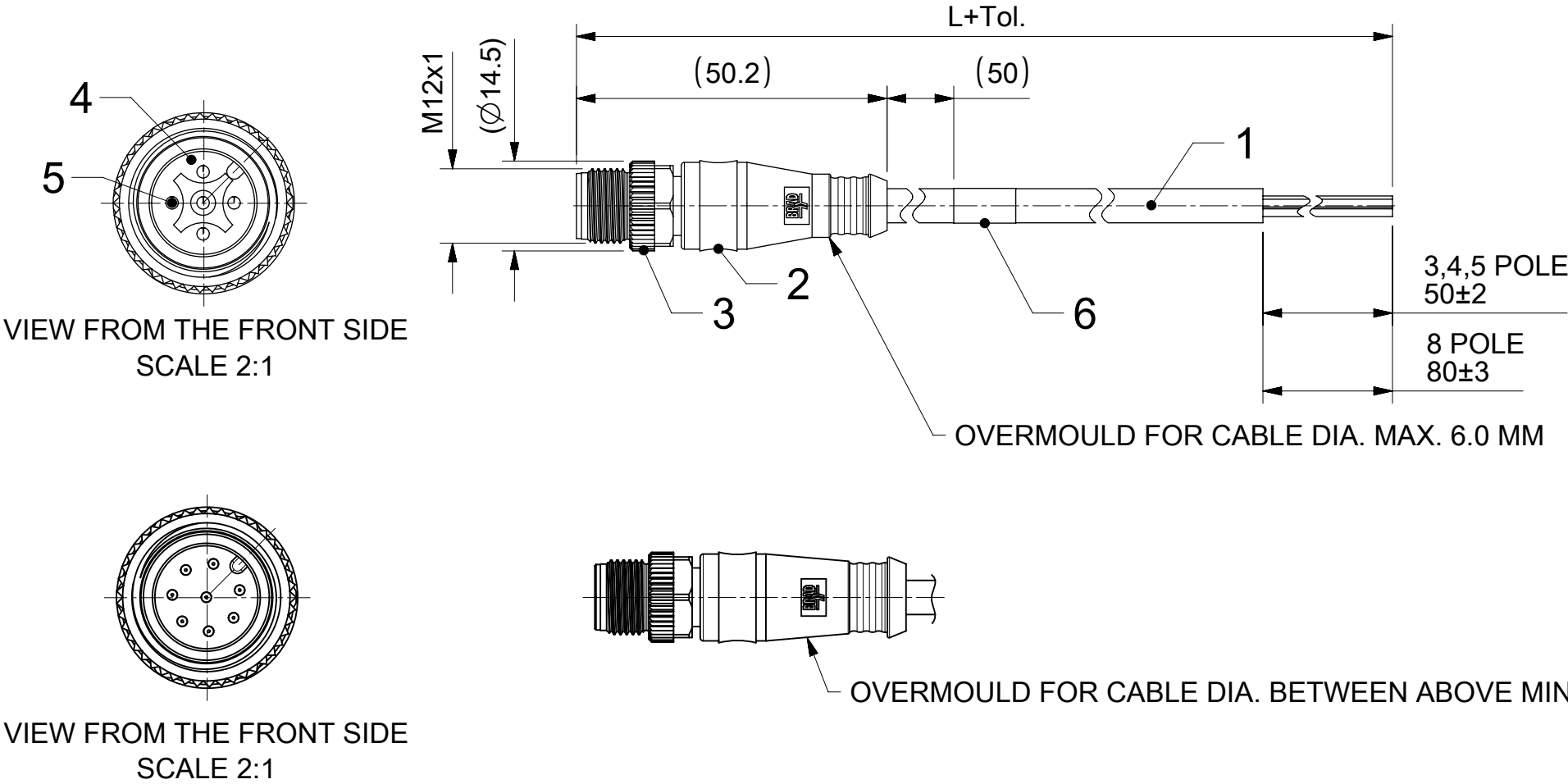
D

C

B

A

NOTES:
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
TEMPERATURE: SEE CABLE INFORMATION
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100
ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION



ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

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B

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88 = M12x1
SINGLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES

HEADER:
006 = PLUG MALE STRARIGHT

CABLE TYPE:
SEE TABLE

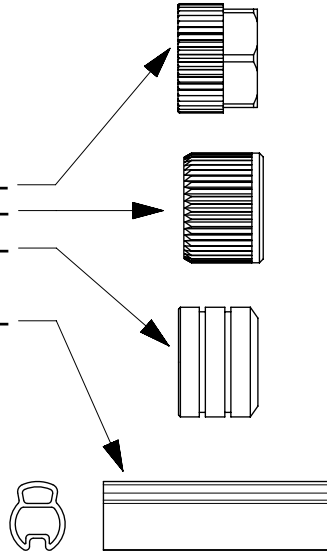
UNIT:
M = METER

LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

OPTIONS
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

Coupling Nut:
Blank (Standard)=Knurled/Hex Brass, Ni Plated
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cable B36 always with
2 pcs. I/D Carrier)



CABLE INFORMATION (for more information see Cable Data Sheet)

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE PRODUCT SPECIFICATION	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	1552200001	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-001
B41	8	0.25mm²	TPU Black								SD-120209-006
B42	5	0.34mm²	TPU Black								SD-120209-001
B49	8	0.25mm²	TPU Orange								SD-120209-006
B55	3 / 4 / 5	0.34mm²	TPU Yellow								n/a

FUNCTIONAL SYMBOLS

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FE

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FE

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0

DIVISIONAL SYMBOLS

1 PLACE

±

0.3

2 PLACES

±

0.05

3 PLACES

±

4 PLACES

±

0 PLACES

±

0.5

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

DIMENSION UNITS

mm

SCALE

1:1

CURRENT REV DESC: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO END TO END. UPDATED INSERT TO OVERMOLD DIM. AND NOTES

EC NO: 789428

DRWN: FDAFERNER

CHK'D: RSILLER

APPR: RSILLER

2023/01/31

2024/07/02

2024/07/02

INITIAL REVISION:

DRWN: MDHARMANTI

APPR: RSILLER

2021/10/01

2021/10/06

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120065

MATERIAL NUMBER

SEE SHEET 3

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

moLEX

CSE M12 XP AC MA STR WSOR XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200659964

DOC TYPE

PSD

DOC PART

000

REVISION

B

DOCUMENT STATUS P1 RELEASE DATE 2024/07/02 09:17:38

FORMAT: m8899-120065-A3
REVISION: 1
DATE: 2020/01/11

10987654321

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