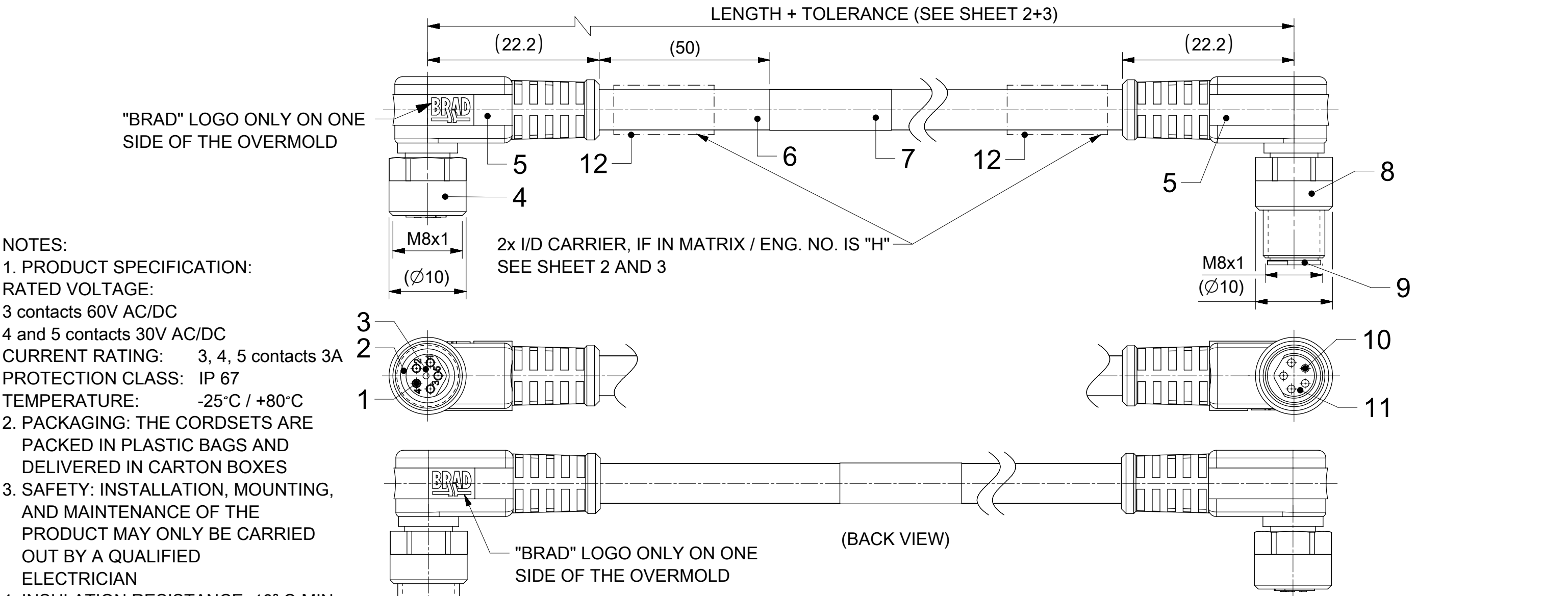


FEMALE PLUG M8 90° ANGLED TO MALE PLUG M8 90° ANGLED WSOR CABLES



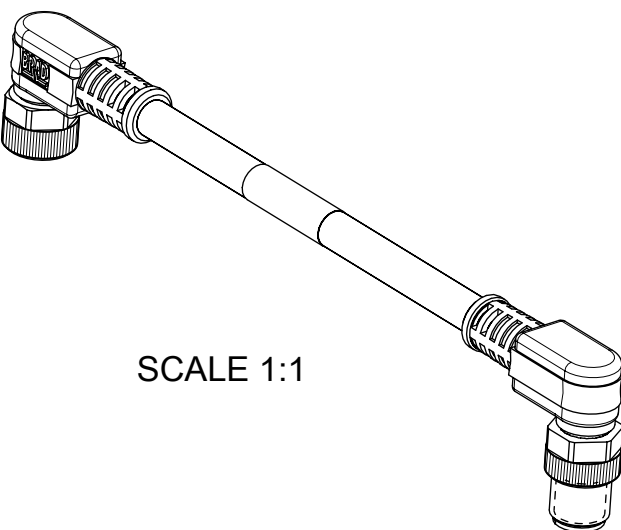
- NOTES:
1. PRODUCT SPECIFICATION:  
RATED VOLTAGE:  
3 contacts 60V AC/DC  
4 and 5 contacts 30V AC/DC  
CURRENT RATING: 3, 4, 5 contacts 3A  
PROTECTION CLASS: IP 67  
TEMPERATURE: -25°C / +80°C
2. PACKAGING: THE CORDSETS ARE  
PACKED IN PLASTIC BAGS AND  
DELIVERED IN CARTON BOXES
3. SAFETY: INSTALLATION, MOUNTING,  
AND MAINTENANCE OF THE  
PRODUCT MAY ONLY BE CARRIED  
OUT BY A QUALIFIED  
ELECTRICIAN
4. INSULATION RESISTANCE: 10<sup>8</sup> Ω MIN.
5. MATING CYCLES: MAX. 100

| CONTACT POSITION FRONT VIEW: |                 |       |                 |       |                 |       |
|------------------------------|-----------------|-------|-----------------|-------|-----------------|-------|
| FEMALE                       | 3 CONTACTS - AC |       | 4 CONTACTS - AC |       | 5 CONTACTS - BC |       |
|                              |                 |       |                 |       |                 |       |
| MALE                         | 3 CONTACTS - AC |       | 4 CONTACTS - AC |       | 5 CONTACTS - BC |       |
|                              |                 |       |                 |       |                 |       |
| CONNECTIONS                  | PIN             | WIRE  | PIN             | WIRE  | PIN             | WIRE  |
|                              | 1               | BROWN | 1               | BROWN | 1               | BROWN |
|                              | 3               | BLUE  | 2               | WHITE | 2               | WHITE |
|                              | 4               | BLACK | 3               | BLUE  | 3               | BLUE  |
|                              |                 |       | 4               | BLACK | 4               | BLACK |
|                              |                 |       |                 |       | 5               | GREY  |

| CODING ACCORDING TO IEC 61076-2-104 |    |              |            |          |  |  |
|-------------------------------------|----|--------------|------------|----------|--|--|
| DOCUMENT STATUS                     | P1 | RELEASE DATE | 2024/07/02 | 09:18:41 |  |  |

FOR OPTIONS SEE NUMERICAL CODE ON SHEET 2

| ITEM | QTY.      | DESCRIPTION                | MATERIAL    | FINISH / COLOR       |
|------|-----------|----------------------------|-------------|----------------------|
| 1    | 3 / 4 / 5 | CONTACT M8 FEMALE          | BRONZE      | SELECTIVE Au OVER Ni |
| 2    | 1         | O-RING                     | FKM         | RED                  |
| 3    | 1         | INSERT FEMALE              | TPU         | BLACK                |
| 4    | 1         | COUPLING NUT M8 FEMALE SW9 | BRASS       | NICKEL               |
| 5    | -         | OVERMOLD                   | TPU         | BLACK                |
| 6    | -         | CABLE                      | SEE SHEET 2 | ---                  |
| 7    | 1         | LABEL                      | VINYL       | YELLOW               |
| 8    | 1         | COUPLING NUT M8 MALE SW9   | BRASS       | NICKEL               |
| 9    | 1         | SLEEVE                     | BRASS       | NICKEL               |
| 10   | 3 / 4 / 5 | CONTACT M8 MALE            | Cu-ALLOY    | SELECTIVE Au OVER Ni |
| 11   | 1         | INSERT MALE                | TPU         | BLACK                |
| 12   | 2         | I/D CARRIER                | PVC         | ---                  |



SCALE 1:1

FUNCTIONAL SYMBOLS

$\nabla A = 0$

$\nabla E = 0$

$\nabla F = 0$

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES 4 & 5. SORTED PART LIST USING CABLE TYPES ON SHEET 3

EC NO: 789428

DRWN: AKABADI

CHK'D: RSILLER

APPR: RSILLER

2023/08/24

2024/07/02

2024/07/02

INITIAL REVISION:

DRWN: RSCHEIBER

APPR: RSILLER

2018/11/19

2018/12/10

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120087

**molex**

CSE M8 M8 XP XC FE RA WSOR MA RA XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200878769

DOC TYPE

PSD

DOC PART

000

REVISION

B

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 3

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

OPTIONS

44X033BXBXBXBXBX

44=Nano-Change  
M8x1  
Double ended

Poles:  
3=3 Contacts  
4=4 Contacts  
5=5 Contacts

Heads style:  
032=Plug Female 90°  
to Plug Male 90°

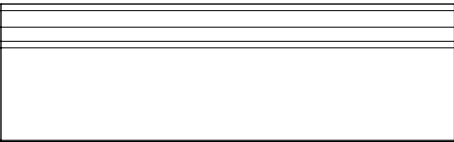
Cable type: See Table

Units:  
M=Meter  
C=Centimeter

Length  
Examples:  
005=0.5 unit  
010=1 unit  
100=10 unit

Overmold color:  
Blank (Standard)=Black

H= 2 pcs. of  
I/D Carrier PVC Transparent



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 |
|------------|--------------|---------------|--------------|--------------|-------------------------|--------------------------------|---------------------------------|------------------------------------|----------------------------------------|-----------------------------|---------------------|
| B41        | 3 / 4 / 5    | 0.25mm²       | TPU Black    | UL 21215/758 | C22.2 I/II A/B 80°/600V | -40°C to +90°C<br>5xO.D.       | -25°C to +80°C<br>7.5xO.D.      | -5°C to +60°C<br>7.5xO.D.          | up to 5 000 000 cycles<br>at temp 20°C | 1552200001                  | SD-120209-001       |

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

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES 4 & 5. SORTED PART LIST USING CABLE TYPES ON SHEET 3

EC NO: 789428

DRWN: AKABADI

CHK'D: RSILLER

APPR: RSILLER

2023/08/24

2024/07/02

2024/07/02

INITIAL REVISION:

DRWN: RSCHIEBER

APPR: RSILLER

2018/11/19

2018/12/10

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

CSE M8 M8 XP XC FE RA WSOR MA RA XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200878769

DOC TYPE

PSD

DOC PART

000

REVISION

B

SEE PART LIST

GENERAL MARKET

2 OF 3

DOCUMENT STATUS

P1

RELEASE DATE

2024/07/02

09:18:41

FORMAT: master-b-prod-A3

REVISION: J1

DATE: 2021/05/01

9

8

7

6

5

4

3

2

1

[illegible]