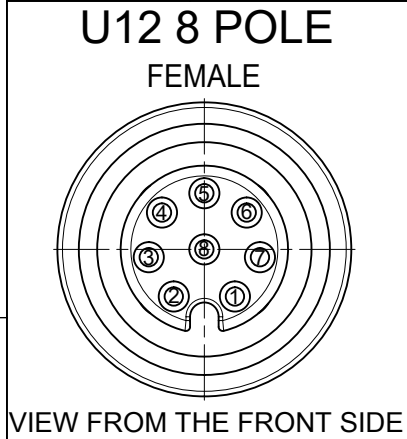
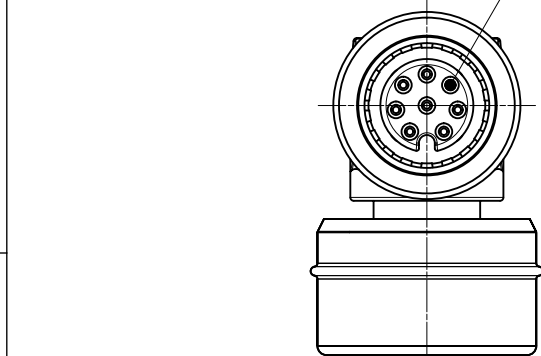




| PIN | WIRE COLOR |
|-----|------------|
| 1   | WH         |
| 2   | BN         |
| 3   | GN         |
| 4   | YE         |
| 5   | GY         |
| 6   | PK         |
| 7   | BU         |
| 8   | RD         |



VIEW FROM THE FRONT SIDE

| MOLEX P/N  | ENG No.       | L+TOL.[mm]  |
|------------|---------------|-------------|
| 1200805085 | WW8032P02M010 | 1000+30/-10 |
| 1200808050 | WW8032E02M015 | 1500±25     |

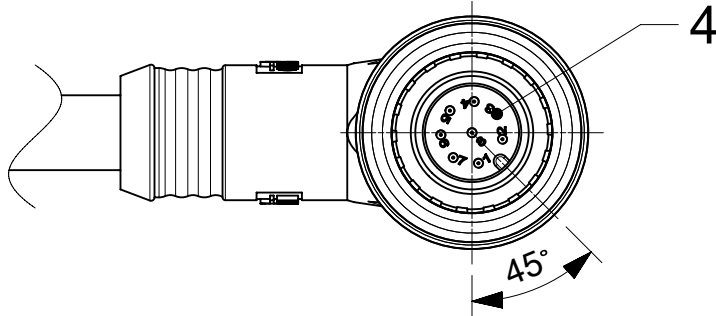
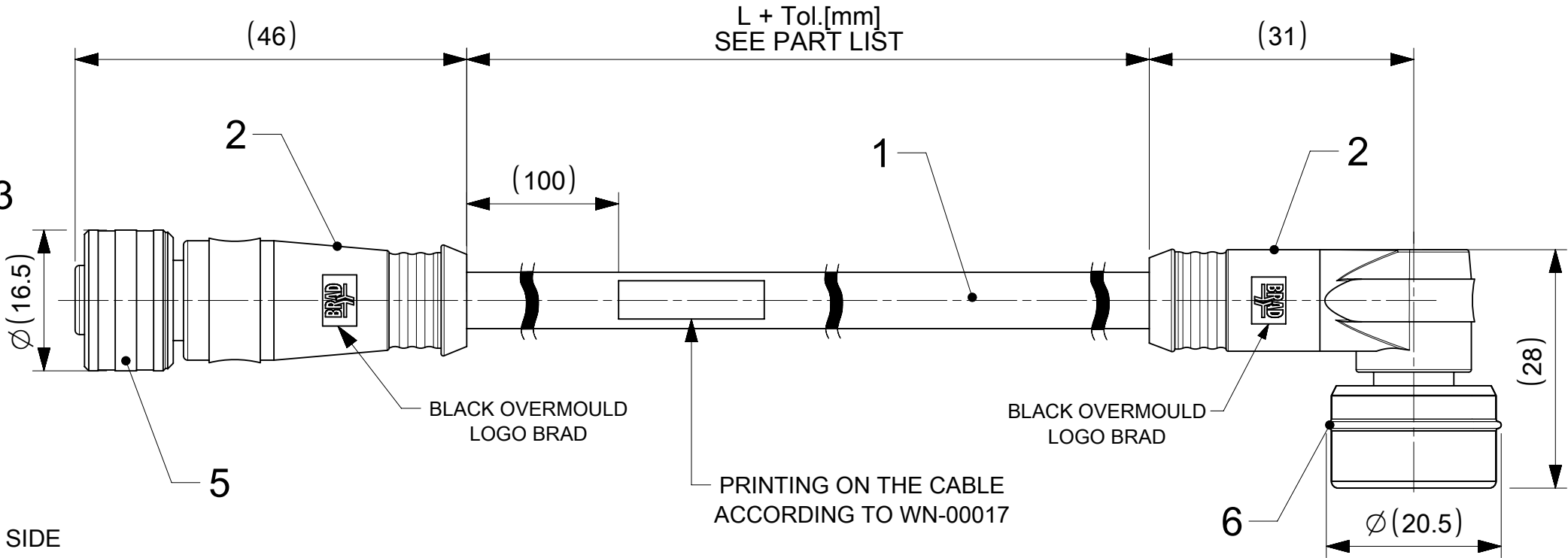
| CABLE TYPE | DESCRIPTION                      | MATERIAL | COLOR/FINISH |
|------------|----------------------------------|----------|--------------|
| P02        | CABLE PUR/PVC BLK 8X0.25MM       | PUR/PVC  | BLACK        |
| E02        | 8X0.25MM;UNSHLD;PVC;BK;OD=6.60MM | PVC      | BLACK        |

| ITEM | QTY | DESCRIPTION        | MATERIAL       | FINISH/COLOR   |
|------|-----|--------------------|----------------|----------------|
| 6    | 1   | PLUG U12 MALE 8P   | -              | -              |
| 5    | 1   | PLUG U12 FEMALE 8P | -              | -              |
| 4    | 8   | CONTACT MALE       | COPPER         | GOLD-PLATED    |
| 3    | 8   | CONTACT FEMALE     | CuSn6          | GOLD-PLATED    |
| 2    | -   | MOULDING MATERIAL  | TPU            | BLACK          |
| 1    | -   | SEE CABLE LIST     | SEE CABLE LIST | SEE CABLE LIST |
| ITEM | QTY | DESCRIPTION        | MATERIAL       | FINISH/COLOR   |

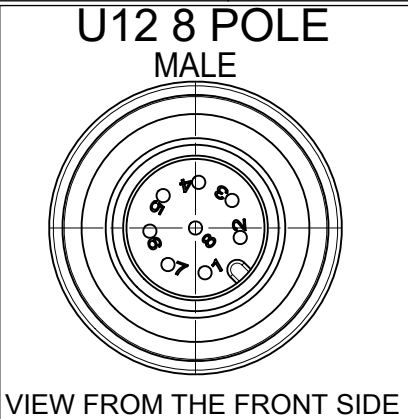
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/04/22 | 06:35:47 |
|-----------------|----|--------------|------------|----------|
|-----------------|----|--------------|------------|----------|

PART No MATRIX

|                             |   |                        |                                      |   |   |                                                                 |   |   |                     |                                                               |   |   |                                                                                                                                                       |
|-----------------------------|---|------------------------|--------------------------------------|---|---|-----------------------------------------------------------------|---|---|---------------------|---------------------------------------------------------------|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| W                           | W | 8                      | 0                                    | 3 | 2 | X                                                               | X | X | X                   | X                                                             | X | X | X                                                                                                                                                     |
| WW= ULTRA LOCK DOUBLE ENDED |   | POLES :<br>8 = 8 POLES | HEADER :<br>032= FEMALE STR/MALE 90° |   |   | CABLE :<br>P02 - PUR/PVC BLACK 8x0.25<br>E02 - PVC BLACK 8x0.25 |   |   | UNIT :<br>M = METER | LENGTH :<br>EXAMPLE :<br>010 = 1 m<br>050 = 5 m<br>100 = 10 m |   |   | OPTIONS<br>COUPLING NUT:<br>BLANK = KNU<br>7 = TEFLON KNU<br>OVERMOULD :<br>BLANK= BLACK<br>A = GREY<br>G = BLACK<br>Y = YELLOW<br>H = 2x I/D CARRIER |



VIEW FROM THE FRONT SIDE



VIEW FROM THE FRONT SIDE

| PIN | WIRE COLOR |
|-----|------------|
| 1   | WH         |
| 2   | BN         |
| 3   | GN         |
| 4   | YE         |
| 5   | GY         |
| 6   | PK         |
| 7   | BU         |
| 8   | RD         |

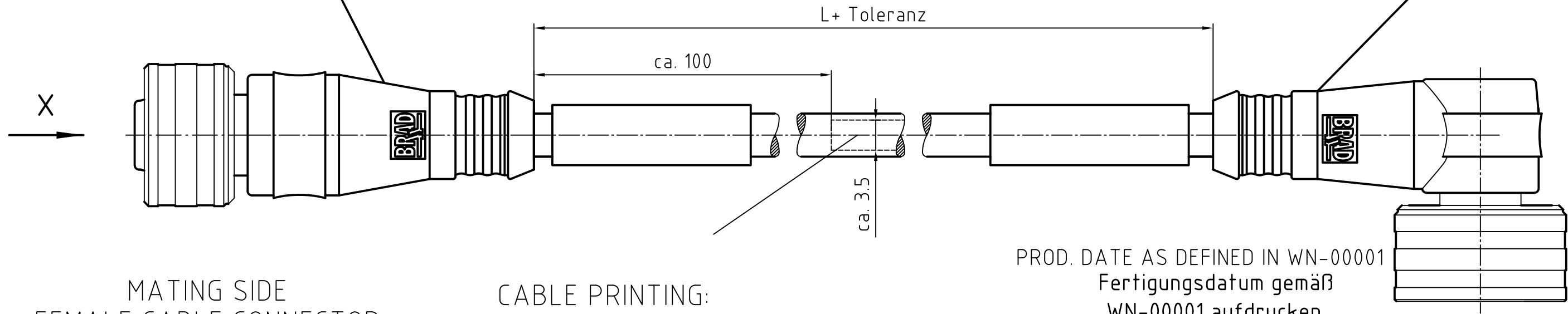
NOTES:

- ELECTRICAL:  
VOLTAGE; 30V  
CURRENT: 2A
- TEMP RATING: -30°TO +80°C
- PROTECTION: IP67 (WHEN MATED)
- CSA CERTIFIED FILE: LR6837

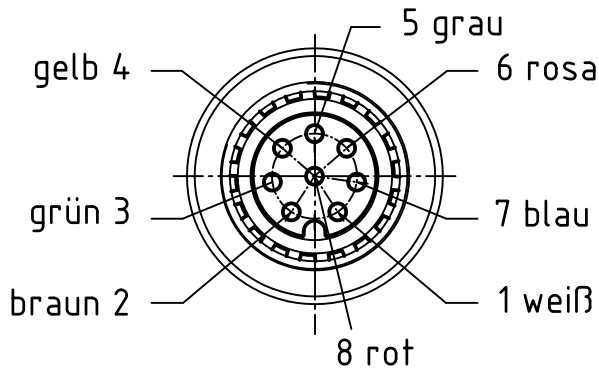
|                                                                                                                                               |                                       |  |        |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|--------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|------------------------------|----------------|----------|--------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |  |        |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
| FUNCTIONAL SYMBOLS<br><br>FA = 0<br><br>FE = 0<br><br>FE = 0<br><br>DIVISIONAL SYMBOLS                                                        | DIMENSION UNITS                       |  | SCALE  |                        | CURRENT REV DESC:                                                                                                                                                           |        |                 | molex                        |                |          |              |
|                                                                                                                                               | mm                                    |  | 1:1    |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
|                                                                                                                                               | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |        |                        | EC NO: 703538<br>DRWN: SSM 2022/04/04<br>CHK'D: RSILLER 2022/04/22<br>APPR: RSILLER 2022/04/22<br><br>INITIAL REVISION:<br>DRWN: SSM 2022/04/04<br>APPR: RSILLER 2022/04/22 |        |                 | M12U 8P FE STR M 90 XXXM PVC |                |          |              |
|                                                                                                                                               | ANGULAR TOL ± 1.0 °                   |  |        |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
|                                                                                                                                               | 4 PLACES                              |  | ±      |                        |                                                                                                                                                                             |        |                 | PRODUCT CUSTOMER DRAWING     |                |          |              |
|                                                                                                                                               | 3 PLACES                              |  | ±      |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
|                                                                                                                                               | 2 PLACES                              |  | ± 0.05 |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
|                                                                                                                                               | 1 PLACE                               |  | ± 0.3  |                        |                                                                                                                                                                             |        |                 |                              |                |          |              |
|                                                                                                                                               | 0 PLACES                              |  | ± 0.5  |                        | DOCUMENT NUMBER                                                                                                                                                             |        |                 | DOC TYPE                     | DOC PART       | REVISION |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |                                       |  |        | THIRD ANGLE PROJECTION | DRAWING                                                                                                                                                                     | SERIES | 1200805085      |                              | PSD            | 000      | A            |
|                                                                                                                                               |                                       |  |        |                        | A3-SIZE                                                                                                                                                                     | 120080 | MATERIAL NUMBER |                              | CUSTOMER       |          | SHEET NUMBER |
|                                                                                                                                               |                                       |  |        |                        |                                                                                                                                                                             |        | SEE PART LIST   |                              | GENERAL MARKET |          | 1 OF 1       |

OVERMOLD PUR SEE TABLE  
Umspritzung PUR siehe Tabelle

OVERMOLD PUR SEE TABLE  
Umspritzung PUR siehe Tabelle



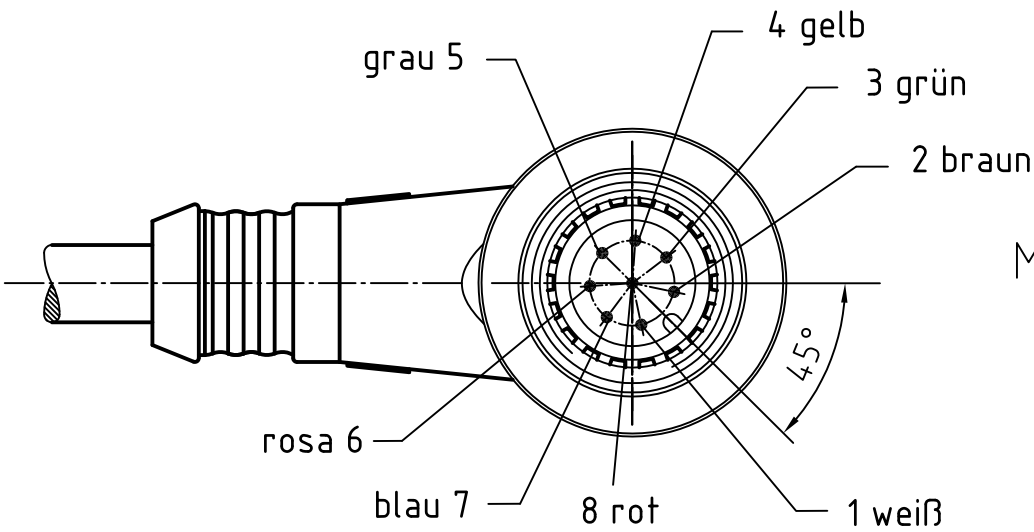
MATING SIDE  
FEMALE CABLE CONNECTOR  
Steckseite Ansicht X  
Kabeldose U-Lock  
8-Pol



CABLE PRINTING:  
Kabelbedruckung:

Woodhead Connectivity GmbH WW8032P02MXXX X..

PROD. DATE AS DEFINED IN WN-00001  
Fertigungsdatum gemäß  
WN-00001 aufdrucken



MATING SIDE  
MALE CABLE CONNECTOR  
Steckseite  
Kabelstecker U-Lock  
8-Pol

|                                                 |                                             |                         |                                |
|-------------------------------------------------|---------------------------------------------|-------------------------|--------------------------------|
| Allgemeine Kennwerte<br>General Characteristics |                                             | Norm<br>Standard        |                                |
| Polzahl<br>Kontaktanordnung                     | Number of contacts<br>Contact configuration | IEC 947-5-2             | 8                              |
| Bemessungsspannung                              | Rated Voltage                               | IEC 664                 | 30V AC / DC                    |
| Verschmutzungsgrad                              | Pollution Degree                            | IEC 664                 | 3                              |
| Betriebststom                                   | Current carrying capacity                   | IEC 512-3<br>Test 5 b   | 2A                             |
| Durchgangswiderstand                            | Contact Resistance                          | IEC 512-2<br>Test 2 a   | < 5m0hm                        |
| Bemessungsstoßspannung                          | Rated Impulse<br>Withstand Voltage          | IEC 664                 | 0,8 kV                         |
| Prüfspannung                                    | Test Voltage                                | IEC 60512-2<br>Test 4 A | 0,5 kV / 60 sec                |
| Isolationswiderstand                            | Insulation Resistance                       | IEC 512-2<br>Test 3 A   | > 100 M0hm                     |
| IP-Schutzart                                    | IP Degree of Protection                     | IEC 529                 | IP 67                          |
| Stiftdurchmesser                                | Pin Diameter                                |                         | 0,6 mm                         |
| Werkstoffe                                      | Kontakte                                    | Materials               | Kupferlegierung / copper alloy |
|                                                 | Kontaktoberfläche                           |                         | Au/Ni                          |
|                                                 | Kontaktträger                               |                         | PUR                            |
|                                                 | Gehäuse (Umspritzung)                       |                         | PUR                            |
|                                                 | Dichtung (O-Ring)                           |                         | VITON                          |
|                                                 | Schiebehülse                                |                         | Push Sleeve                    |
| Anschlussart                                    |                                             | Termination             | Crimp                          |
| Brennbarkeit                                    | Kontaktträger                               | Flammfähigkeit          | Inserts                        |
|                                                 | Gehäuse (Umspritzung)                       |                         | Housing (Overmold)             |
|                                                 | Leitung / Kabel                             |                         | Cable                          |
|                                                 |                                             |                         |                                |
| Mechanische Lebensdauer                         |                                             | Mechanical Operation    | 100 Steckzyklen/Mating Cycles  |
| Temperaturbereich                               |                                             | Temperature Range       | IEC 60668-1<br>-30°C / +80°C   |

| SAP-Nummer | Engineering Nr.: | Umspritzungsfarbe | L-Länge |
|------------|------------------|-------------------|---------|
| SAP-Number |                  | Overmold Color    | Length  |
| 1200805085 | WW8032P02M010    | yellow            | 1M      |

(...) Dim. for information  
(...) Informationsmaß

| Toleranzen Maß L: sichtbare Kabellänge<br>bei M8 , M12 und M12U |              |
|-----------------------------------------------------------------|--------------|
| von 0 bis 0.6 m:                                                | ±10 mm       |
| über 0.6 bis 1 m:                                               | +30 / -10 mm |
| über 1 bis 5 m:                                                 | ±25 mm       |
| über 5 bis 20 m:                                                | ±30 mm       |
| über 20 m:                                                      | ±50 mm       |

|                                                                                                                             |                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| BU/ BLUE<br>WH/ WHITE<br>GN/ GREEN<br>GY/ GREY<br>PK/ PINK<br>YE/ YELLOW<br>RD/ RED<br>BK/ BLACK<br>VT/ VIOLET<br>BN/ BROWN | bl/ blau<br>ws/ weiß<br>gn/ grün<br>gr/ grau<br>rs/ rosa<br>ge/ gelb<br>rt/ rot<br>sw/ schwarz<br>vi/ violett<br>bn/ braun |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|

|                                                                                                         |                                                          |                                          |                 |                                                                                                                                  |                            |                      |                    |                                               |                           |        |  |  |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------|--------------------|-----------------------------------------------|---------------------------|--------|--|--|
| DESCRIPTION<br>EC NO: WEU2010-0435<br>DRWN: LSTEMMLE 2010/03/17<br>CHKD: NS<br>APPR: FPACHER 2010/03/19 | QUALITY<br>SYMBOLS<br><div>▽ = 0</div> <div>▽C = 0</div> | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                 |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |                      | SCALE<br>2:1       | DESIGN UNITS<br>METRIC                        | FIRST ANGLE<br>PROJECTION |        |  |  |
|                                                                                                         |                                                          |                                          |                 | mm                                                                                                                               | INCH                       | DRAWN BY<br>LSTEMMLE | DATE<br>2010/03/17 | M12U-8P-FE-STR-M-90<br>PUR/0.25 BL-XM<br>---- |                           |        |  |  |
|                                                                                                         |                                                          |                                          | 4 PLACES        | ±---                                                                                                                             | ±---                       | CHECKED BY           | DATE<br>2010/03/18 |                                               |                           |        |  |  |
|                                                                                                         |                                                          |                                          | 3 PLACES        | ±---                                                                                                                             | ±---                       | NS                   | DATE<br>2010/03/18 | MOLEX INCORPORATED                            |                           |        |  |  |
|                                                                                                         |                                                          |                                          | 2 PLACES        | ±0.05                                                                                                                            | ±---                       | APPROVED BY          | DATE               |                                               |                           |        |  |  |
|                                                                                                         |                                                          |                                          | 1 PLACE         | ±0.1                                                                                                                             | ±---                       | FPACHER              | 2010/03/18         | molex<br>SD-120080-053                        |                           |        |  |  |
|                                                                                                         |                                                          |                                          | ANGULAR ± --- ° |                                                                                                                                  |                            | MATERIAL NO.         |                    |                                               |                           |        |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                              |                                                          |                                          | SEE TABLE       |                                                                                                                                  | SD-120080-053              |                      |                    |                                               |                           | 1 OF 1 |  |  |
|                                                                                                         |                                                          |                                          | SIZE<br>A2      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                      |                    |                                               |                           |        |  |  |