

F

E

D

C

B

A

F

E

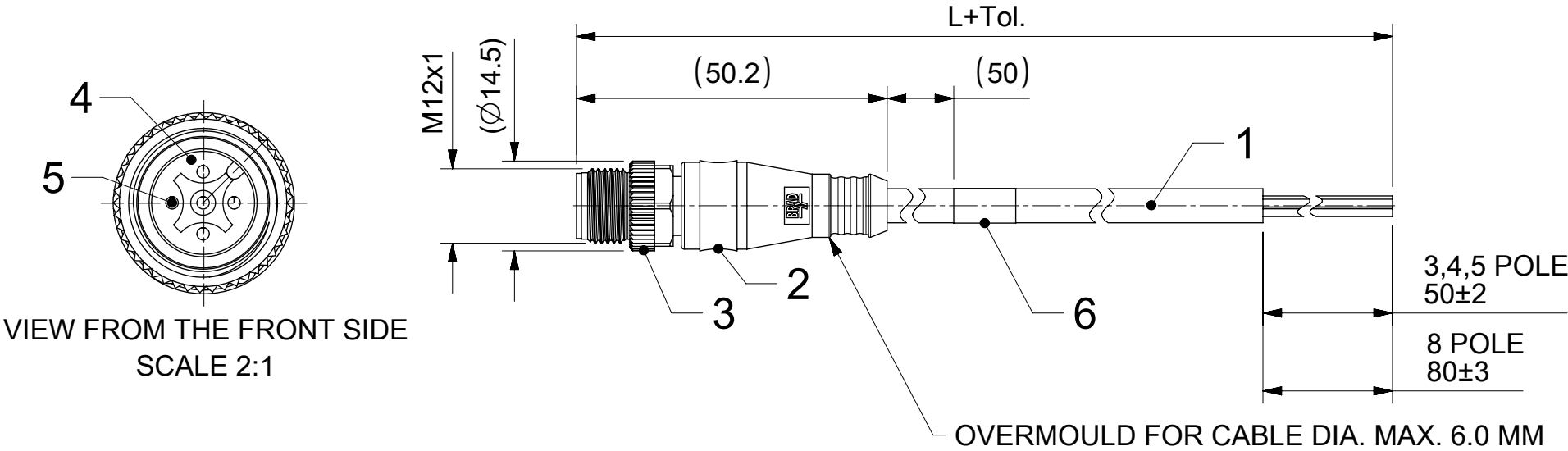
D

C

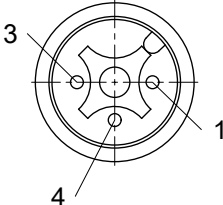
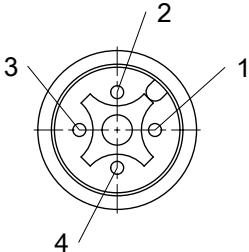
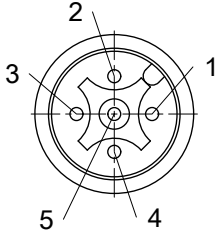
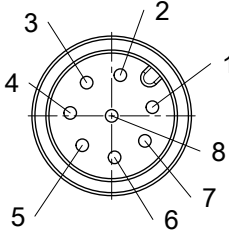
B

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



CONTACTS POSITION FRONT VIEW:

	3 CONTACTS	4 CONTACTS	5 CONTACTS	8 CONTACTS																																																
MALE																																																				
CONNECTIONS	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></table>	PIN	WIRE	1	BROWN	3	BLUE	4	BLACK	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREY OR GREEN/YELLOW</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY OR GREEN/YELLOW	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>WHITE</td></tr><tr><td>2</td><td>BROWN</td></tr><tr><td>3</td><td>GREEN</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREY</td></tr><tr><td>6</td><td>PINK</td></tr><tr><td>7</td><td>BLUE</td></tr><tr><td>8</td><td>RED</td></tr></table>	PIN	WIRE	1	WHITE	2	BROWN	3	GREEN	4	YELLOW	5	GREY	6	PINK	7	BLUE	8	RED
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8	RED																																																			

FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

6	1	LABEL	VINYL	YELLOW
5	3/4/5	CONTACT MA	COPPER	GOLD OVER Ni-PLATED
	8	CONTACT MA	BRASS	GOLD OVER Ni-PLATED
4	1	INSERT M12 MA XP	PUR	BLACK
3	1	COUPLING NUT M12 MA	SEE SHEET 2	SEE SHEET 2
2	-	OVERMOULDING	TPU	SEE SHEET 2
1	-	CABLE	SEE SHEET 2	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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

1:1

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: 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

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

120065

SEE SHEET 3

GENERAL MARKET

1 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

10

9

8

7

6

5

4

3

2

1

PART LIST

MOLEX P/N

ENGINEERING No.

LENGTH [mm]

3P CABLE B30

1200652271

803006B30M010

1000

1200652272

803006B30M020

2000

1200652273

803006B30M050

5000

1200652274

803006B30M100

10000

4P CABLE B30

1200656066

804006B30M005

500

1200652275

804006B30M010

1000

1200652378

804006B30M010R

1000

1200652276

804006B30M020

2000

1200652379

804006B30M020R

2000

1200656001

804006B30M030

3000

1200652380

804006B30M030R

3000

1200659638

804006B30M030R

3000

1200656002

804006B30M040

4000

1200652381

804006B30M040R

4000

1200652277

804006B30M050

5000

1200652382

804006B30M050R

5000

1200656296

804006B30M080

8000

1200652278

804006B30M100

10000

1200659440

804006B30M150

15000

1200657234

804006B30M200

20000

5P CABLE B30

1200659964

805006B30M006

600

1200659526

805006B30M010

1000

1200659527

805006B30M020

2000

1200656679

805006B30M030

3000

1200659528

805006B30M050

5000

1200659529

805006B30M100

10000

1200656398

805006B30M150

15000

1200656399

805006B30M200

20000

1200656400

805006B30M300

30000

1200656401

805006B30M500

50000

MOLEX P/N

ENGINEERING No.

LENGTH [mm]

4P CABLE B33

1200656489

804006B33M003A

300

1200656521

804006B33M005A

500

1200656487

804006B33M010A

1000

1200659451

804006B33M020

2000

1200659596

804006B33M020A

2000

1200656522

804006B33M030A

3000

1200659597

804006B33M050A

5000

1200657152

804006B33M070A

7000

1200656488

804006B33M100A

10000

1200656614

804006B33M150A

15000

1200657156

804006B33M200A

20000

1200657154

804006B33M300A

30000

5P CABLE B33

1200657186

805006B33M005A

500

1200656673

805006B33M010A

1000

1200659452

805006B33M020

2000

1200656674

805006B33M020A

2000

1200656675

805006B33M030A

3000

1200656676

805006B33M050A

5000

1200656677

805006B33M100A

10000

1200656678

805006B33M150A

15000

1200657187

805006B33M200A

20000

1200657188

805006B33M300A

30000

1200657189

805006B33M400A

40000

1200657190

805006B33M500A

50000

4P CABLE B36

1200656855

804006B36M0207Y

2000

1200657220

804006B36M0507Y

5000

1200657221

804006B36M0807Y

8000

1200657222

804006B36M1007Y

10000

1200657223

804006B36M1507Y

15000

1200657224

804006B36M2007Y

20000

5P CABLE B36

1200656552

805006B36M1007Y

10000

MOLEX P/N

ENGINEERING No.

LENGTH [mm]

8P CABLE B41

1200659680

808006B41M003

300

1200652302

808006B41M010

1000

1200652383

808006B41M010R

1000

1200659453

808006B41M020

2000

1200652384

808006B41M020R

2000

1200659776

808006B41M030

3000

1200652385

808006B41M030R

3000

1200656003

808006B41M040

4000

1200652386

808006B41M040R

4000

1200652304

808006B41M050

5000

1200652387

808006B41M050R

5000

1200652305

808006B41M100

10000

5P CABLE B42

1200652279

805006B42M010

1000

1200652280

805006B42M020

2000

1200652281

805006B42M050

5000

1200652282

805006B42M100

10000

1200659546

805006B42M200

20000

1200659547

805006B42M300

30000

4P CABLE B55

1200656634

804006B55M010Y

1000

1200656635

804006B55M020Y

2000

1200656636

804006B55M030Y

3000

1200657244

804006B55M040Y

4000

1200659943

804006B55M050Y

5000

1200657245

804006B55M060Y

6000

1200657246

804006B55M070Y

7000

1200657247

804006B55M080Y

8000

1200657248

804006B55M090Y

9000

1200659944

804006B55M100Y

10000

1200657249

804006B55M120Y

12000

1200656637

804006B55M150Y

15000

1200657250

804006B55M200Y

20000

MOLEX P/N

ENGINEERING No.

LENGTH [mm]

5P CABLE B55

1200656680

805006B55M010Y

1000

1200656681

805006B55M020Y

2000

1200656682

805006B55M030Y

3000

1200659945

805006B55M050Y

5000

1200659946

805006B55M100Y

10000

1200659947

805006B55M150Y

15000

DOCUMENT STATUS

P1

RELEASE DATE

2024/07/02

09:17:38

10

9

8

7

6

5

4

3

2

1

FUNCTIONAL SYMBOLS

FA=

0

FE=

0

FP=

0

DIVISIONAL SYMBOLS

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INITIAL REVISION:

DRWN: MDHARMANTI

APPR: RSILLER

2021/10/01

2021/10/06

DOCUMENT NUMBER

MATERIAL NUMBER

DOC TYPE

CUSTOMER

DOC PART

SHEET NUMBER

REVISION

10

9

8

7

6

5

4

3

2

1

10

9

8

7

6

5

4

3

2

1

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

moLEX

CSE M12 XP AC MA STR WSOR XM SE UNSH

PRODUCT CUSTOMER DRAWING

1200659964

PSD

000

B