

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X000XXXXXX

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
000=Plug Female Straight

Cable type: See Table

Units:
M=Meter

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

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

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

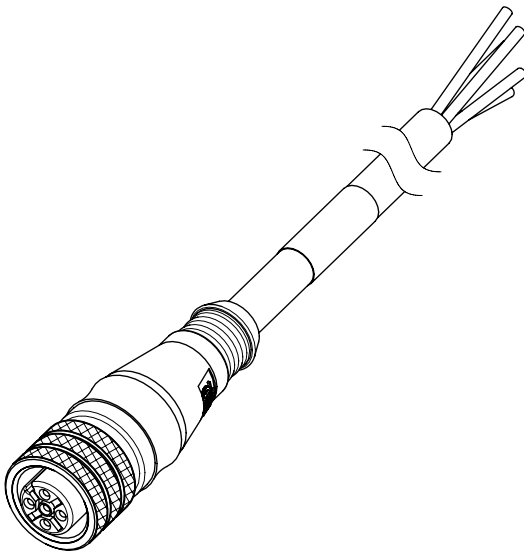
COUPLING NUTS

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	SHIELD
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length



SCALE 1:1

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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: NEW PN ADD TO DRAWING

EC NO: 726420
DRWN: RSILLER
CHK'D: THAERDT
APPR: THAERDT

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING A3-SIZE

SERIES 120065

2022/10/28
2022/10/28
2022/10/28

2016/01/11
2016/04/08

DOCUMENT NUMBER 1200651978

DOC TYPE PSD

DOC PART 000

REVISION A11

MATERIAL NUMBER

CUSTOMER GENERAL MARKET

SHEET NUMBER 2 OF 4

molex

CSE M12 XP AC FE STR XM SE UNSH

PRODUCT CUSTOMER DRAWING

10	9	8	7	6	5	4	3	2	1		
PART LIST											
No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length
1	1200060001	803000E03M020	2m	36	1200060458	804000P03M0501	5m	71	1200063673	803000P03M1001	10m
2	1200060002	803000E03M050	5m	37	1200060461	804000P03M200	20m	72	1200063779	805000E03M300	30m
3	1200060003	803000E03M100	10m	38	1200060634	805000E03M020	2m	73	1200063940	804000P03M0051	0.5m
4	1200060004	803000P03M020	2m	39	1200060638	805000E03M100	10m	74	1200064033	804000P03M120	12m
5	1200060005	803000P03M050	5m	40	1200060646	805000P03M003	0.3m	75	1200064093	803000P03M032	3.2m
6	1200060006	803000P03M100	10m	41	1200060647	805000P03M020	2m	76	1200064292	805000P03M200	20m
7	1200060014	804000E03M020	2m	42	1200060649	805000P03M100	10m	79	1200064422	804000E03M120	12m
8	1200060015	804000E03M050	5m	43	1200061337	804000E03M0205	2m	80	1200064434	804000H09M050G	5m
9	1200060016	804000E03M100	10m	44	1200061431	805000P03M150	15m	81	1200065004	805000P03M0201	2m
10	1200060018	804000P03M020	2m	45	1200061528	804000E03M250	25m	82	1200065006	804000H09M250G	25m
11	1200060019	804000P03M050	5m	46	1200061765	803000P03M002	0.2m	83	1200065012	803000P03M030G	3m
12	1200060027	803000E03M006	0.6m	47	1200061785	804000P03M006	0.6m	84	1200650951	808000P02M020	2m
13	1200060032	804000E03M005	0.5m	48	1200061913	804000E03M300	30m	85	1200650952	808000P02M040	4m
14	1200060034	804000P03M025	2.5m	49	1200061958	803000E03M021	2.1m	86	1200650953	808000P02M050	5m
15	1200060107	803000E03M003	0.3m	50	1200062071	803000E03M060	6m	87	1200650954	808000P02M060	6m
16	1200060113	803000E03M030	3m	51	1200062098	803000P03M006	0.6m	88	1200650955	808000P02M080	8m
18	1200060116	803000E03M0505	5m	52	1200062130	804000E03M050H	5m	89	1200650956	808000P02M0801	8m
19	1200060117	803000E03M1005	10m	53	1200062167	804000P03M100H	10m	90	1200650957	808000P02M100	10m
20	1200060119	803000E03M150	15m	54	1200062264	804000E03M1505	15m	91	1200651769	803000P03M050G	5m
21	1200060121	803000E03M200	20m	55	1200062347	804000P03M050H	5m	92	1200651780	804000P03M050G	5m
22	1200060124	803000E03M2505	25m	56	1200062521	805000P03M030	3m	93	1200651782	804000P03M100	10m
23	1200060152	803000P03M010	1m	57	1200062772	803000P03M250	25m	94	1200651792	805000P03M050	5m
24	1200060153	803000P03M030	3m	58	1200062811	803000P03M100H	10m	95	1200651794	808000P02M010	1m
25	1200060157	803000P03M150	15m	59	1200062853	804000P03M150	15m	96	1200651795	808000P02M070	7m
26	1200060158	803000P03M200	20m	60	1200062866	804000E03M020H	2m	97	1200651817	808000P02M200	20m
27	1200060426	804000E03M010	1m	61	1200062992	804000E03M200H	20m	98	1200651818	808000P02M250	25m
28	1200060427	804000E03M0201	**	62	1200063121	804000P03M0053	0.5m	99	1200651820	808000P02M300	30m
29	1200060428	804000E03M030		63	1200063224	804000E03M003	0.3m	100	1200651978	805000E03M050	5m
30	1200060429	804000E03M0501	*	65	1200063314	805000E03M010	1m	101	1200652143	804000P03M040	4m
31	1200060430	804000E03M0505	5m	66	1200063402	804000P03M003	0.3m	102	1200652144	804000P03M060	6m
32	1200060431	804000E03M150	15m	67	1200063407	804000E03M1001	*	103	1200652154	805000P03M060	6m
33	1200060432	804000E03M200	20m	68	1200063415	803000P03M0707	7m	104	1200655073	808000P02M003	0.3m
34	1200060456	804000P03M0201	2m	69	1200063443	804000E03M030H	3m	105	1200655081	805000E03M150	15m
35	1200060457	804000P03M030	3m	70	1200063647	804000E03M2001	20m				

NOTES:

* - Part No. with Yellow PVC overmolding

** - Part No. with Black PVC overmolding

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DIMENSION UNITS

SCALE

mm

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

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120065

CURRENT REV DESC: NEW PN ADD TO DRAWING

EC NO: 726420

DRWN: RSILLER

CHK'D: THAERDT

APPR: THAERDT

2022/10/28

2022/10/28

2022/10/28

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/11

2016/04/08

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200651978

PSD

000

A11

DOCUMENT STATUS

P1

RELEASE DATE

2022/10/28

12:26:20

9

8

7

6

5

4

3

2

1

FORMAT: master-lb-prod-A3

REVISION: J1

DATE: 2021/05/01

10

9

8

7

6

5

4

3

2

1

142

1200658492

804000P03M100G

10m

143

1200658502

805000E03M005

0.5m

144

1200658503

805000E03M0201

2m

145

1200658511

808000E02M010

1m

146

1200658525

808000P02C350

0.35m

147

1200658545

804000P03M015

1.5m

148

1200658550

804000H09M015

1.5m

149

1200658551

808000E02M1001

10m

150

1200658562

803000E03M010

1m

151

1200658563

803000E03M040

4m

152

1200658570

804000E03M040

4m

153

1200658590

808000E02M030

3m

154

1200658591

808000E02M040

4m

155

1200658592

805000E03M040

4m

156

1200658609

804000P02M020

2m

157

1200658610

803000P03M040

4m

161

1200658632

805000H09M010

1m

162

1200658633

805000H09M015

1.5m

163

1200658634

805000H09M030

3m

164

1200658635

805000H09M040

4m

165

1200658636

803000H09M010

1m

166

1200658637

803000H09M015

1.5m

167

1200658638

803000H09M030

3m

168

1200658639

803000H09M040

4m

169

1200658640

804000H09M010

1m

170

1200658641

804000H09M040

4m

171

1200658642

808000H08M010

1m

172

1200658643

808000H08M015

1.5m

173

1200658644

808000H08M020

2m

174

1200658645

808000H08M030

3m

175

1200658646

808000H08M040

4m

176

1200658780

805000H09M200

20m

177

1200658782

804000E03M060

6m

178

1200658812

808000E02M150

15m

179

1200658813

808000H08M025

2.5m

181

1200658880

804000H09M200

20m

182

1200658882

804000E03M100H

10m

183

1200658887

803000E03M020H

2m

184

1200658889

803000E03M050H

5m

185

1200658891

804000H09M003

0.3m

186

1200658894

804000E03M020G

2m

187

1200658896

804000E03M075

7.5m

188

1200658899

808000H08M250

25m

192

1200658927

804000P02M050

5m

194

1200658930

808000H08M150

15m

196

1200658983

804000E03M002

0.2m

197

1200658984

808000E02M2501

25m

199

1200658991

805000P03M100H

10m

200

1200659038

804000E02M100

10m

201

1200659040

804000E02M050

5m

202

1200659052

808000E02M2001

20m

203

1200659053

808000E02M3001

30m

209

1200659088

804000P03M050HY

5m

210

1200659092

808000P02M050Y

5m

217

1200659123

804000P03M100HY

10m

218

1200659144

805000H09M300

30m

219

1200659187

808000E02M4001

40m

221

1200659200

808000E02M250H

25m

222

1200659207

805000E03C230

0.23m

223

1200659214

805000P03M300

30m

224

1200659256

808000E02M200

20m

225

1200659279

805000E03M007

0.7m

226

1200659280

805000E03M350

35m

227

1200659282

805000P03M005

0.5m

228

1200659283

805000P03M007

0.7m

229

1200659302

804000P03M1005

10m

230

1200659326

805000P03M020H

2m

231

1200659329

805000P03M150H

15m

232

1200659330

805000P03M200H

20m

233

1200659334

808000P02M200H

20m

234

1200659340

804000P03M1501

15m

235

1200659341

804000P03M2501

25m

236

1200659368

805000E03M015

1.5m

237

1200659370

804000P03M020Y

2m

238

1200659387

808000E02M500

50m

239

1200659388

804000P03M012

1.2m

241

1200659397

808000P02M100Y

10m

242

1200659399

808000P02M015

1.5m

243

1200659474

804000P03M250

25m

244

1200659475

804000P03M300

30m

245

1200659509

805000E03M600

60m

246

1200659552

808000P02M050H

5m

247

1200659553

808000P02M100H

10m

248

1200659554

808000P02M150H

15m

249

1200659584

803000H09M003

0.3m

250

1200659594

805000P03M300H

30m

251

1200659595

805000P03M350H

35m

252

1200659613

808000E02M300

30m

253

1200659786

804000E02M041

4.1m

254

1200659790

804000E02M020

2m

255

1200659538

808000E02M100

10m

256

1200656061

803000E02M010

1m

257

1200656303

805000E03M050Y

5m

258

1200656436

804000P03M0601

6m

259

1200656766

808000P02M350

35m

260

1200656767

808000P02M400

40m

261

1200657197

803000E03M005

0.5m

262

1200657198

803000E03M015

1.5m

263

1200657129

804000P03M400

40m

264

1200657130

804000P03M500

50m

265

1200657131

804000E03M006

0.6m

266

1200657132

804000E03M008

0.8m

267

1200657133

804000E03M015

1.5m

268

1200657134

804000E03M024

2.4m

269

1200657135

804000E03M070

7m

270

1200657136

804000E03M080

8m

271

1200657137

804000E03M090

9m

272

1200657138

804000E03M180

18m

273

1200657139

804000E03M350

35m

274

1200657140

804000E03M400

40m

275

1200657141

804000E03M450

45m

276

1200657142

804000E03M500

50m

277

1200657143

804000E03M550

55m

278

1200657180

805000E03M070

7m

279

1200657264

805000H09M500

50m

280

1200657306

805000H09M100H

10m

NOTES:

✱ - Part No. with Yellow PVC overmolding

✱✱ - Part No. with Black PVC overmolding

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SCALE

mm

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

THIRD ANGLE PROJECTION

DRAWING

SERIES

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EC NO: 726420

DRWN: RSILLER

CHK'D: THAERDT

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2022/10/28

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INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/11

2016/04/08

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200651978

PSD

000

A11

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

120065

GENERAL MARKET

4 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2022/10/28

12:26:20

9

8

7

6

5

4

3

2

1