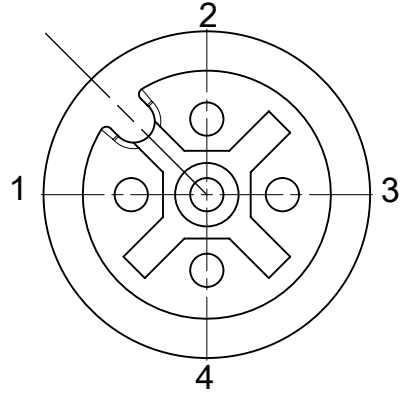


M12 3 POLE
FEMALE

Pos A & B



VIEW FROM THE FRONT SIDE

Pin	Wire color
1	BROWN
2	-
3	BLUE
4	BLACK

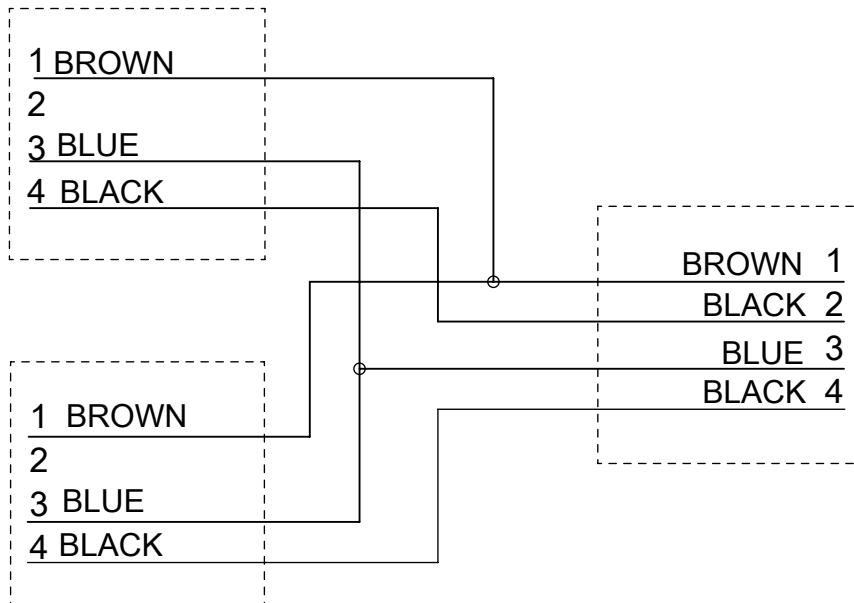
NOTES:
ELECTRICAL DATA:
VOLTAGE RATING: 250V
AMPERAGE RATING: 4A
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100

ENVIRONMENTAL:
PROTECTION: IP67
OPERATING TEMPERATURE:
STATIC: -25°C TO +80°C
FLEXING: -5°C TO +80°C

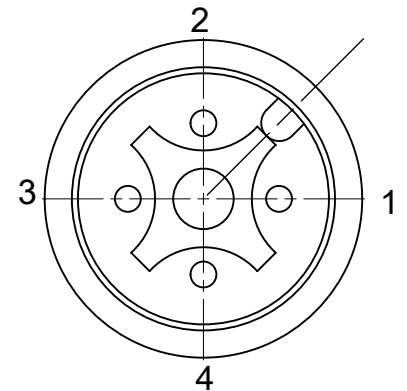
Pos B
Female M12

Pos A
Female M12

WIRING DIAGRAM

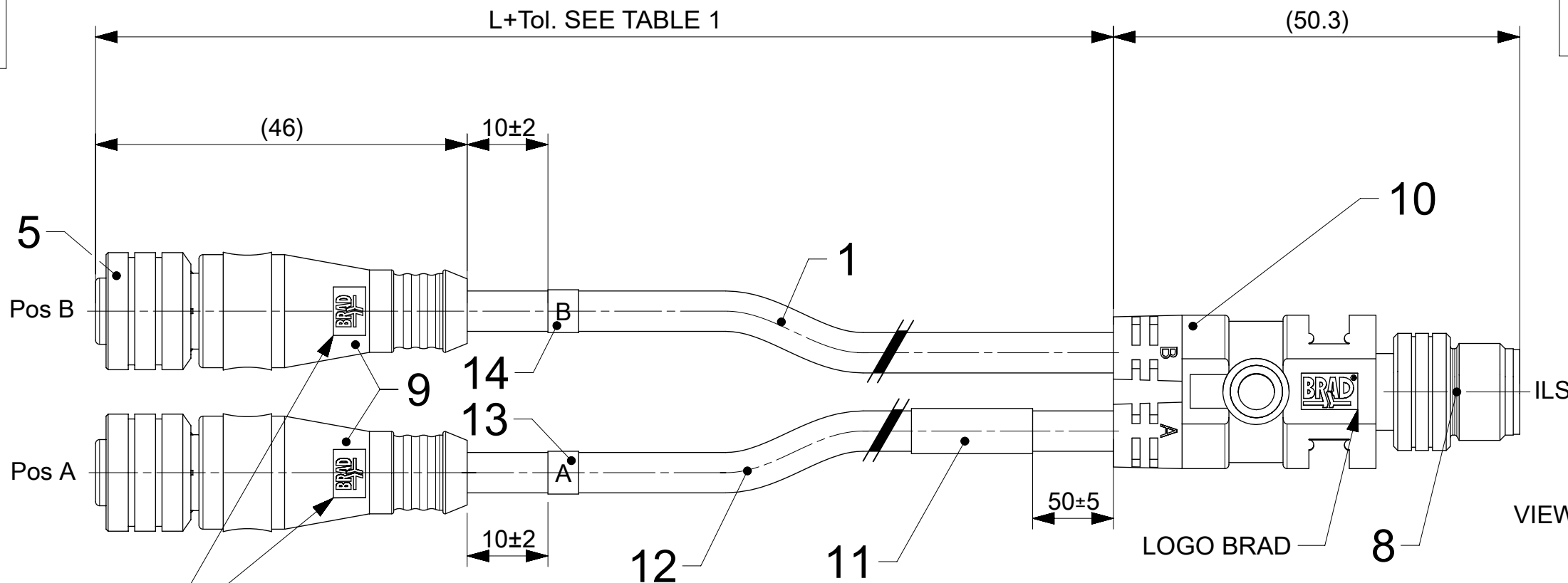


ILS M12 4 POLE
MALE



VIEW FROM THE FRONT SIDE

Pin	Wire color
1	BROWN A+B
2	BLACK B
3	BLUE A+B
4	BLACK A



VIEW FROM THE FRONT SIDE

LOGO BRAD

VIEW FROM THE FRONT SIDE

NOTES:
1. DIMENSION WITHOUT TOLERANCE ARE REFERENTIAL
2. FOR CABLES IXX AND IF IN MATRIX IS "H" - ADD ID-CARRIER'S ON THE BOTH SIDES HARNESS
3. BOM - SEE SHEET 2
4. MATRIX - SEE SHEET 2

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CHANGED FROM MOLEX INTERNAL TO GENERAL MARKET				molex			
	DIMENSION UNITS	SCALE								
FA = 0	mm	3:2	GENERAL TOLERANCES (UNLESS SPECIFIED)				ILS 4P MM/ST 2XFE ST/ST XM			
FE = 0										
FE = 0			ANGULAR TOL ± °				PRODUCT CUSTOMER DRAWING			
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 707539 DRWN: RSCHIEBER 2022/05/20 CHK'D: RSILLER 2022/05/20 APPR: RSILLER 2022/05/20 INITIAL REVISION: DRWN: AKONDRACIUK 2018/08/25 APPR: MIWASIECZKO 2018/08/29				DOCUMENT NUMBER 1200090087 DOC TYPE PSD DOC PART 000 REVISION A5			
	3 PLACES	±								
	2 PLACES	±								
	1 PLACE	±								
	0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	
					A3-SIZE	120009	SEE TABLE		GENERAL MARKET	
									SHEET NUMBER	
									1 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/20	09:56:11
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10

9

8

7

6

5

4

3

2

1

8

8

88 = M12 - M12

4

POLES:
4 = 4 POLES

A

3

0

HEADER:
A0 = 2x FEMALE STRAIGHT
TO MALE ILS HEAD

X

X

X

CABLE TYPE:
E03 = 0.34mm², PVC BLACK
I03 = 0.34mm², PVC GREY
S20 = 0.34mm², PVC YELLOW
P03 = 0.34mm², PUR BLACK
P82 = 0.34mm², PUR ORANGE
K05 = 0.34mm², TPE YELLOW
H09 = 0.34mm², PUR BLACK

M

UNIT:
M = METER
F = FEET

*

*

*

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

*

*

OVERMOULD COLOR:
BLANK = YELLOW
A = GREY
G = BLACK

*

*

COUPLING NUT:
BLANK = STANDARD
1 = NIERDZEWNA HEX / SS
5 = DERLIN
7 = TEFLON
9 = KNU/HEX
H = 2 PCS. OF I/D CARRIER

OPTIONS

1

2

3

4

5

6

7

8

9

10

10

11

12

13

14

MOLEX P/N

E03 - 1202090001
I03 - 1302190015
S20 - 1202092254
P03 - 1202090003
P82 - 1202090007
K05 - 1302090060
H09 - 1202094475

1202060002

1202050001

1202080003

1202070007
5 - 1203290009
7 - 1202070014
9 - 1202070086

1202040002

1202080008

1202070008
5 - 1203290004
7 - 1202070068
9 - 1202070088

899921504
967550209

1302190015

1203120439

0908486995

859993604

859993605

1203010001

QTY.

-

6

4

2

1

1

1

-

-

1

1

1

1

2

DESCRIPTION

CABLE

CONTACT FEMALE

CONTACT MALE

INSERT M12 FEMALE 3P

COUPLING NUT M12 FEMALE

GASKET

INSERT M12 MALE 4P

COUPLING NUT M12 MALE

OVERMOULD M12

OVERMOULD ILS

CENTRE SPACER

STANDARD LABEL

LABEL A

LABEL B

ID CARRIER - PATRZ UWAGA 3
SEE NOTE 3

MATERIAL

TPU

BRASS

BRASS

TPU

SEE MATRIX

FPM

PUR

BRASS

TPU

PVC

PVC

VINYL

VINYL

VINYL

PVC

FINISH/COLOR

BLACK

GOLD OVER
Ni-PLATED

GOLD OVER
Ni-PLATED

BLACK

-

RED

BLACK

Ni-PLATED

YELLOW

YELLOW

YELLOW

WHITE

WHITE

TRANSPARENT

1

2

3

4

5

6

7

8

9

10

11

12

13

14

MOLEX PN

1200090087

1200090088

1200090089

1200090090

1200685006

1200685027

1200685028

1200688013

1200688015

1200688096

1200688152

1200688155

1200688158

1200688168

1200685007

1200685030

1200688016

1200688017

1200688025

1200688136

1200688139

1200090091

1200090092

ENGINEERING No.

884A30E03M010

884A30E03M0205

884A30E03M0505

884A30E03M0755

884A30E03M030

884A30E03M006

884A30E03M020

884A30E03M015

884A30E03M050

884A30E03M003

884A30E03M002

884A30E03M002H

884A30E03M040

884A30E03M070

884A30I03M003

884A30I03M020

884A30I03M010

884A30I03M030

884A30S20M010H

884A30S20M003H

884A30S20M005H

884A30P03M003

884A30P03M020

L [mm]

1000+56

2000+89

5000+156

7500+317

3000+89

600+45

2000+89

15000+56

5000+165

300+19

200+19

200+19

4000+165

7000+165

300+19

2000+89

1000+56

300+19

500+45

2000+89

300+19

2000+89

24

25

26

27

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30

31

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33

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37

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39

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41

42

43

MOLEX PN

1200090093

1200688018

1200688019

1200688020

1200688021

1200698157

1200688270

1200090094

1200090095

1200685023

1200688127

1200680196

1200688153

1200688154

1200688169

1200688214

1200688138

1200688143

1200688144

1200680195

ENGINEERING No.

884A30P03M030

884A30P03M005

884A30P03M006

884A30P03M010

884A30P03M050

884A30P03M006H

884A30P03M100

884A30P82M003

884A30P82M0067

884A30P82M0037

884A30P82M0107

884A30K05M006

884A30H09M020

884A30H09M040

884A30H09M005

884A30H09M0039

884A30H09M003

884A30H09M010

884A30H09M050

884A30K05M003

L [mm]

3000+89

500+45

600+45

1000+56

5000+165

600+45

10000+317

300+19

600+45

300+19

1000+56

600+45

2000+89

4000+165

500+45

300+19

300+19

1000+56

5000+165

300+19

SEE MATRIX

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

3 PLACES

±

2 PLACES

±

1 PLACE

[illegible][illegible][illegible]

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																	
F	PART NO MATRIX 88 = M12 - M12 POLES: 4 = 4 POLES HEADER: A0 = 2x FEMALE STRAIGHT TO MALE ILS HEAD CABLE TYPE: E03 = 0.34mm², PVC BLACK I03 = 0.34mm², PVC GREY S20 = 0.34mm², PVC YELLOW P03 = 0.34mm², PUR BLACK P82 = 0.34mm², PUR ORANGE K05 = 0.34mm², TPE YELLOW H09 = 0.34mm², PUR BLACK UNIT: M = METER F = FEET LENGTH: EXAMPLE: 010 = 1 m 050 = 5 m 100 = 10 m OVERMOULD COLOR: BLANK = YELLOW A = GREY G = BLACK COUPLING NUT: BLANK = STANDARD 1 = NIERDZEWNA HEX / SS 5 = DERLIN 7 = TEFLON 9 = KNU/HEX H = 2 PCS. OF I/D CARRIER										F																																																																																																																																																																																																
E											E																																																																																																																																																																																																
D	PART LIST <table><tr><td>Lp</td><td>MOLEX PN</td><td>ENGINEERING No.</td><td>L [mm]</td><td>Lp</td><td>MOLEX PN</td><td>ENGINEERING No.</td><td>L [mm]</td></tr><tr><td>1</td><td>1200090087</td><td>884A30E03M010</td><td>1000+56</td><td>24</td><td>1200090093</td><td>884A30P03M030</td><td>3000+89</td></tr><tr><td>2</td><td>1200090088</td><td>884A30E03M0205</td><td>2000+89</td><td>25</td><td>1200688018</td><td>884A30P03M005</td><td>500+45</td></tr><tr><td>3</td><td>1200090089</td><td>884A30E03M0505</td><td>5000+156</td><td>26</td><td>1200688019</td><td>884A30P03M006</td><td>600+45</td></tr><tr><td>4</td><td>1200090090</td><td>884A30E03M0755</td><td>7500+317</td><td>27</td><td>1200688020</td><td>884A30P03M010</td><td>1000+56</td></tr><tr><td>5</td><td>1200685006</td><td>884A30E03M030</td><td>3000+89</td><td>28</td><td>1200688021</td><td>884A30P03M050</td><td>5000+165</td></tr><tr><td>6</td><td>1200685027</td><td>884A30E03M006</td><td>600+45</td><td>29</td><td>1200698157</td><td>884A30P03M006H</td><td>600+45</td></tr><tr><td>7</td><td>1200685028</td><td>884A30E03M020</td><td>2000+89</td><td>30</td><td>1200688270</td><td>884A30P03M100</td><td>10000+317</td></tr><tr><td>8</td><td>1200688013</td><td>884A30E03M015</td><td>15000+56</td><td>31</td><td>1200090094</td><td>884A30P82M003</td><td>300+19</td></tr><tr><td>9</td><td>1200688015</td><td>884A30E03M050</td><td>5000+165</td><td>32</td><td>1200090095</td><td>884A30P82M0067</td><td>600+45</td></tr><tr><td>10</td><td>1200688096</td><td>884A30E03M003</td><td>300+19</td><td>33</td><td>1200685023</td><td>884A30P82M0037</td><td>300+19</td></tr><tr><td>11</td><td>1200688152</td><td>884A30E03M002</td><td>200+19</td><td>34</td><td>1200688127</td><td>884A30P82M0107</td><td>1000+56</td></tr><tr><td>12</td><td>1200688155</td><td>884A30E03M002H</td><td>200+19</td><td>35</td><td>1200680196</td><td>884A30K05M006</td><td>600+45</td></tr><tr><td>13</td><td>1200688158</td><td>884A30E03M040</td><td>4000+165</td><td>36</td><td>1200688153</td><td>884A30H09M020</td><td>2000+89</td></tr><tr><td>14</td><td>1200688168</td><td>884A30E03M070</td><td>7000+165</td><td>37</td><td>1200688154</td><td>884A30H09M040</td><td>4000+165</td></tr><tr><td>15</td><td>1200685007</td><td>884A30I03M003</td><td>300+19</td><td>38</td><td>1200688169</td><td>884A30H09M005</td><td>500+45</td></tr><tr><td>16</td><td>1200685030</td><td>884A30I03M020</td><td>2000+89</td><td>39</td><td>1200688214</td><td>884A30H09M0039</td><td>300+19</td></tr><tr><td>17</td><td>1200688016</td><td>884A30I03M010</td><td>1000+56</td><td>40</td><td>1200688138</td><td>884A30H09M003</td><td>300+19</td></tr><tr><td>18</td><td>1200688017</td><td>884A30I03M030</td><td>3000+89</td><td>41</td><td>1200688143</td><td>884A30H09M010</td><td>1000+56</td></tr><tr><td>19</td><td>1200688025</td><td>884A30S20M010H</td><td>1000+56</td><td>42</td><td>1200688144</td><td>884A30H09M050</td><td>5000+165</td></tr><tr><td>20</td><td>1200688136</td><td>884A30S20M003H</td><td>300+19</td><td>43</td><td>1200680195</td><td>884A30K05M003</td><td>300+19</td></tr><tr><td>21</td><td>1200688139</td><td>884A30S20M005H</td><td>500+45</td><td></td><td></td><td></td><td></td></tr><tr><td>22</td><td>1200090091</td><td>884A30P03M003</td><td>300+19</td><td></td><td></td><td></td><td></td></tr><tr><td>23</td><td>1200090092</td><td>884A30P03M020</td><td>2000+89</td><td></td><td></td><td></td><td></td></tr></table>										Lp	MOLEX PN	ENGINEERING No.	L [mm]	Lp	MOLEX PN	ENGINEERING No.	L [mm]	1	1200090087	884A30E03M010	1000+56	24	1200090093	884A30P03M030	3000+89	2	1200090088	884A30E03M0205	2000+89	25	1200688018	884A30P03M005	500+45	3	1200090089	884A30E03M0505	5000+156	26	1200688019	884A30P03M006	600+45	4	1200090090	884A30E03M0755	7500+317	27	1200688020	884A30P03M010	1000+56	5	1200685006	884A30E03M030	3000+89	28	1200688021	884A30P03M050	5000+165	6	1200685027	884A30E03M006	600+45	29	1200698157	884A30P03M006H	600+45	7	1200685028	884A30E03M020	2000+89	30	1200688270	884A30P03M100	10000+317	8	1200688013	884A30E03M015	15000+56	31	1200090094	884A30P82M003	300+19	9	1200688015	884A30E03M050	5000+165	32	1200090095	884A30P82M0067	600+45	10	1200688096	884A30E03M003	300+19	33	1200685023	884A30P82M0037	300+19	11	1200688152	884A30E03M002	200+19	34	1200688127	884A30P82M0107	1000+56	12	1200688155	884A30E03M002H	200+19	35	1200680196	884A30K05M006	600+45	13	1200688158	884A30E03M040	4000+165	36	1200688153	884A30H09M020	2000+89	14	1200688168	884A30E03M070	7000+165	37	1200688154	884A30H09M040	4000+165	15	1200685007	884A30I03M003	300+19	38	1200688169	884A30H09M005	500+45	16	1200685030	884A30I03M020	2000+89	39	1200688214	884A30H09M0039	300+19	17	1200688016	884A30I03M010	1000+56	40	1200688138	884A30H09M003	300+19	18	1200688017	884A30I03M030	3000+89	41	1200688143	884A30H09M010	1000+56	19	1200688025	884A30S20M010H	1000+56	42	1200688144	884A30H09M050	5000+165	20	1200688136	884A30S20M003H	300+19	43	1200680195	884A30K05M003	300+19	21	1200688139	884A30S20M005H	500+45					22	1200090091	884A30P03M003	300+19					23	1200090092	884A30P03M020	2000+89					D
Lp	MOLEX PN	ENGINEERING No.	L [mm]	Lp	MOLEX PN	ENGINEERING No.	L [mm]																																																																																																																																																																																																				
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2	1200090088	884A30E03M0205	2000+89	25	1200688018	884A30P03M005	500+45																																																																																																																																																																																																				
3	1200090089	884A30E03M0505	5000+156	26	1200688019	884A30P03M006	600+45																																																																																																																																																																																																				
4	1200090090	884A30E03M0755	7500+317	27	1200688020	884A30P03M010	1000+56																																																																																																																																																																																																				
5	1200685006	884A30E03M030	3000+89	28	1200688021	884A30P03M050	5000+165																																																																																																																																																																																																				
6	1200685027	884A30E03M006	600+45	29	1200698157	884A30P03M006H	600+45																																																																																																																																																																																																				
7	1200685028	884A30E03M020	2000+89	30	1200688270	884A30P03M100	10000+317																																																																																																																																																																																																				
8	1200688013	884A30E03M015	15000+56	31	1200090094	884A30P82M003	300+19																																																																																																																																																																																																				
9	1200688015	884A30E03M050	5000+165	32	1200090095	884A30P82M0067	600+45																																																																																																																																																																																																				
10	1200688096	884A30E03M003	300+19	33	1200685023	884A30P82M0037	300+19																																																																																																																																																																																																				
11	1200688152	884A30E03M002	200+19	34	1200688127	884A30P82M0107	1000+56																																																																																																																																																																																																				
12	1200688155	884A30E03M002H	200+19	35	1200680196	884A30K05M006	600+45																																																																																																																																																																																																				
13	1200688158	884A30E03M040	4000+165	36	1200688153	884A30H09M020	2000+89																																																																																																																																																																																																				
14	1200688168	884A30E03M070	7000+165	37	1200688154	884A30H09M040	4000+165																																																																																																																																																																																																				
15	1200685007	884A30I03M003	300+19	38	1200688169	884A30H09M005	500+45																																																																																																																																																																																																				
16	1200685030	884A30I03M020	2000+89	39	1200688214	884A30H09M0039	300+19																																																																																																																																																																																																				
17	1200688016	884A30I03M010	1000+56	40	1200688138	884A30H09M003	300+19																																																																																																																																																																																																				
18	1200688017	884A30I03M030	3000+89	41	1200688143	884A30H09M010	1000+56																																																																																																																																																																																																				
19	1200688025	884A30S20M010H	1000+56	42	1200688144	884A30H09M050	5000+165																																																																																																																																																																																																				
20	1200688136	884A30S20M003H	300+19	43	1200680195	884A30K05M003	300+19																																																																																																																																																																																																				
21	1200688139	884A30S20M005H	500+45																																																																																																																																																																																																								
22	1200090091	884A30P03M003	300+19																																																																																																																																																																																																								
23	1200090092	884A30P03M020	2000+89																																																																																																																																																																																																								
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F	PART NO MATRIX 88 88 4 A 3 0 X X X M * * * * * 88 = M12 - M12 POLES: 4 = 4 POLES HEADER: A0 = 2x FEMALE STRAIGHT TO MALE ILS HEAD CABLE TYPE: E03 = 0.34mm², PVC BLACK I03 = 0.34mm², PVC GREY S20 = 0.34mm², PVC YELLOW P03 = 0.34mm², PUR BLACK P82 = 0.34mm², PUR ORANGE K05 = 0.34mm², TPE YELLOW H09 = 0.34mm², PUR BLACK UNIT: M = METER F = FEET LENGTH: EXAMPLE: 010 = 1 m 050 = 5 m 100 = 10 m OVERMOULD COLOR: BLANK = YELLOW A = GREY G = BLACK COUPLING NUT: BLANK = STANDARD 1 = NIERDZEWNA HEX / SS 5 = DERLIN 7 = TEFLON 9 = KNU/HEX H = 2 PCS. OF I/D CARRIER																																																																																																																																																																																																										
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PART NO MATRIX

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88 = M12 - M12

POLES:
4 = 4 POLES

HEADER:
A0 = 2x FEMALE STRAIGHT
TO MALE ILS HEAD

CABLE TYPE:
E03 = 0.34mm², PVC BLACK
I03 = 0.34mm², PVC GREY
S20 = 0.34mm², PVC YELLOW
P03 = 0.34mm², PUR BLACK
P82 = 0.34mm², PUR ORANGE
K05 = 0.34mm², TPE YELLOW
H09 = 0.34mm², PUR BLACK

UNIT:
M = METER
F = FEET

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

OVERMOULD COLOR:
BLANK = YELLOW
A = GREY
G = BLACK

COUPLING NUT:
BLANK = STANDARD
1 = NIERDZEWNA HEX / SS
5 = DERLIN
7 = TEFLON
9 = KNU/HEX
H = 2 PCS. OF I/D CARRIER

OPTIONS

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MOLEX P/N

E03 - 1202090001
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1202060002

1202050001

1202080003

1202070007
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7 - 1202070014
9 - 1202070086

1202040002

1202080008

1202070008
5 - 1203290004
7 - 1202070068
9 - 1202070088

899921504
967550209

1302190015

1203120439

0908486995

859993604

859993605

1203010001

QTY.

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DESCRIPTION

CABLE

CONTACT FEMALE

CONTACT MALE

INSERT M12 FEMALE 3P

COUPLING NUT M12 FEMALE

GASKET

INSERT M12 MALE 4P

COUPLING NUT M12 MALE

OVERMOULD M12

OVERMOULD ILS

CENTRE SPACER

STANDARD LABEL

LABEL A

LABEL B

ID CARRIER - PATRZ UWAGA 3
SEE NOTE 3

MATERIAL

TPU

BRASS

BRASS

TPU

SEE MATRIX

FPM

PUR

BRASS

TPU

PVC

PVC

VINYL

VINYL

VINYL

PVC

FINISH/COLOR

BLACK

GOLD OVER
Ni-PLATED

GOLD OVER
Ni-PLATED

BLACK

-

RED

BLACK

Ni-PLATED

YELLOW

YELLOW

YELLOW

YELLOW

WHITE

WHITE

TRANSPARENT

SEE MATRIX

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3

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14

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1203010001

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DESCRIPTION

CABLE

CONTACT FEMALE

CONTACT MALE

INSERT M12 FEMALE 3P

COUPLING NUT M12 FEMALE

GASKET

INSERT M12 MALE 4P

COUPLING NUT M12 MALE

OVERMOULD M12

OVERMOULD ILS

CENTRE SPACER

STANDARD LABEL

LABEL A

LABEL B

ID CARRIER - PATRZ UWAGA 3
SEE NOTE 3

MATERIAL

TPU

BRASS

BRASS

TPU

SEE MATRIX

FPM

PUR

BRASS

TPU

PVC

PVC

VINYL

VINYL

VINYL

PVC

FINISH/COLOR

BLACK

GOLD OVER
Ni-PLATED

GOLD OVER
Ni-PLATED

BLACK

-

RED

BLACK

Ni-PLATED

YELLOW

YELLOW

YELLOW

YELLOW

WHITE

WHITE

TRANSPARENT

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

3 PLACES

±

2 PLACES

±

1 PLACE

±

0 PLACES

±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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

±

°

4 PLACES

±

EC NO: 707539
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2022/05/20
2022/05/20
2022/05/20

INITIAL REVISION:
DRWN: AKONDRACIUK
APPR: MIWASIECZKO

2018/08/25
2018/08/29

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120009

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 2

DOCUMENT STATUS

P1

RELEASE DATE

2022/05/20

09:56:11

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14

MOLEX P/N

E03 - 1202090001
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RED

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PART NO MATRIX

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8

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X

X

M

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88 = M12 - M12

POLES:
4 = 4 POLES

HEADER:
A0 = 2x FEMALE STRAIGHT
TO MALE ILS HEAD

CABLE TYPE:
E03 = 0.34mm², PVC BLACK
I03 = 0.34mm², PVC GREY
S20 = 0.34mm², PVC YELLOW
P03 = 0.34mm², PUR BLACK
P82 = 0.34mm², PUR ORANGE
K05 = 0.34mm², TPE YELLOW
H09 = 0.34mm², PUR BLACK

UNIT:
M = METER
F = FEET

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

OVERMOULD COLOR:
BLANK = YELLOW
A = GREY
G = BLACK

COUPLING NUT:
BLANK = STANDARD
1 = NIERDZEWNA HEX / SS
5 = DERLIN
7 = TEFLON
9 = KNU/HEX
H = 2 PCS. OF I/D CARRIER

BOM

ITEM No.	MOLEX P/N	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	E03 - 1202090001 I03 - 1302190015 S20 - 1202092254 P03 - 1202090003 P82 - 1202090007 K05 - 1302090060 H09 - 1202094475	-	CABLE	TPU	BLACK
2	1202060002	6	CONTACT FEMALE	BRASS	GOLD OVER Ni-PLATED
3	1202050001	4	CONTACT MALE	BRASS	GOLD OVER Ni-PLATED
4	1202080003	2	INSERT M12 FEMALE 3P	TPU	BLACK
5	1202070007 5 - 1203290009 7 - 1202070014 9 - 1202070086	1	COUPLING NUT M12 FEMALE	SEE MATRIX	-
6	1202040002	1	GASKET	FPM	RED
7	1202080008	1	INSERT M12 MALE 4P	PUR	BLACK
8	1202070008 5 - 1203290004 7 - 1202070068 9 - 1202070088	1	COUPLING NUT M12 MALE	BRASS	Ni-PLATED
9	899921504 967550209	-	OVERMOULD M12	TPU	YELLOW
10	1302190015	-	OVERMOULD ILS	PVC	YELLOW
10	1203120439	1	CENTRE SPACER	PVC	YELLOW
11	0908486995	1	STANDARD LABEL	VINYL	YELLOW
12	859993604	1	LABEL A	VINYL	WHITE
13	859993605	1	LABEL B	VINYL	WHITE
14	1203010001	2	ID CARRIER - PATRZ UWAGA 3 SEE NOTE 3	PVC	TRANSPARENT

FUNCTIONAL SYMBOLS

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

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DIVISIONAL SYMBOLS

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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2022/05/20

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SEE TABLE

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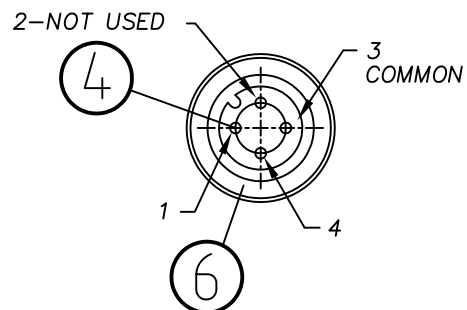
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FEMALE INSERT FRONT VIEW (2x)

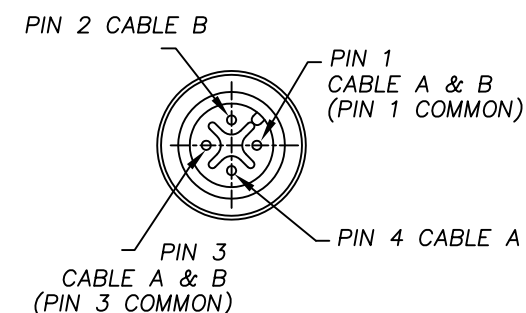


FINISHED LENGTH

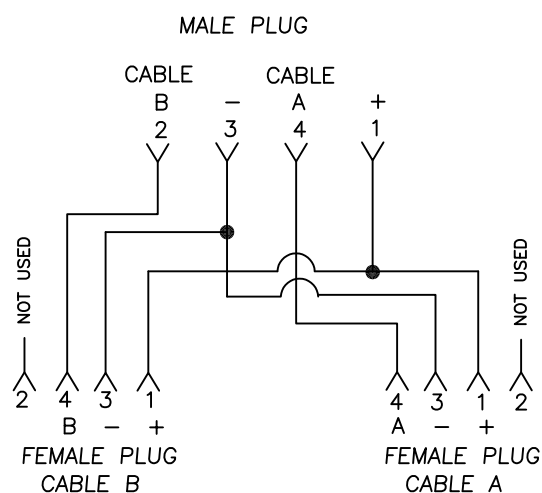
2.13/54.0

2.05/52

MALE INSERT FRONT VIEW

PRINTING
OR
LABEL $\pm 0.06/1.6$

2.13/54.0



WIRING SCHEMATIC

CONNECTOR SPECIFICATION:

VOLTAGE RATING	300 V
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	FLEXING: -5°C TO +80°C STATIC: -30°C TO +80°C
UL CERTIFICATION	STYLE 2464
CSA CERTIFICATIONS	I/II A/B 80°/300V

ITEM	COMPONENT	MATERIAL	FINISH
7	LABLE	MYLAR	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	NICKEL PLATED
4	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	PUR	BLACK
2	OVERMOLD	PUR	YELLOW
1	CABLE #22-3 (COPPER STRANDING) 3 CONDUCT. 300V	JACKET: PVC	YELLOW

MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
1200090091	884A30P03M003	0.98' +0.75" -0 [0.3M +19.1 -0]

DESCRIPTION EC NO: WEU2010-0371 DRWN: BBRAUCH 2010/02/17 CHKD: NS APPR: NSTAUDIG 2010/02/24		QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±---</td><td>±0.01</td></tr><tr><td>1 PLACE</td><td>±0.3</td><td>±---</td></tr><tr><td colspan="3">ANGULAR ± --- °</td></tr></table>			mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±0.01	1 PLACE	±0.3	±---	ANGULAR ± --- °			DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
						mm	INCH																				
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DRAWN BY BBRAUCH		DATE 2010/02/17		ILS-4P-2XFE-STR-M-STR -XM-PUR ----																							
CHECKED BY		DATE																									
NS		2010/02/18																									
1		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY NSTAUDIG		DATE 2010/02/18		MOLEX INCORPORATED																		
					MATERIAL NO.		DOCUMENT NO.			SHEET NO.																	
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			1 OF 1																	