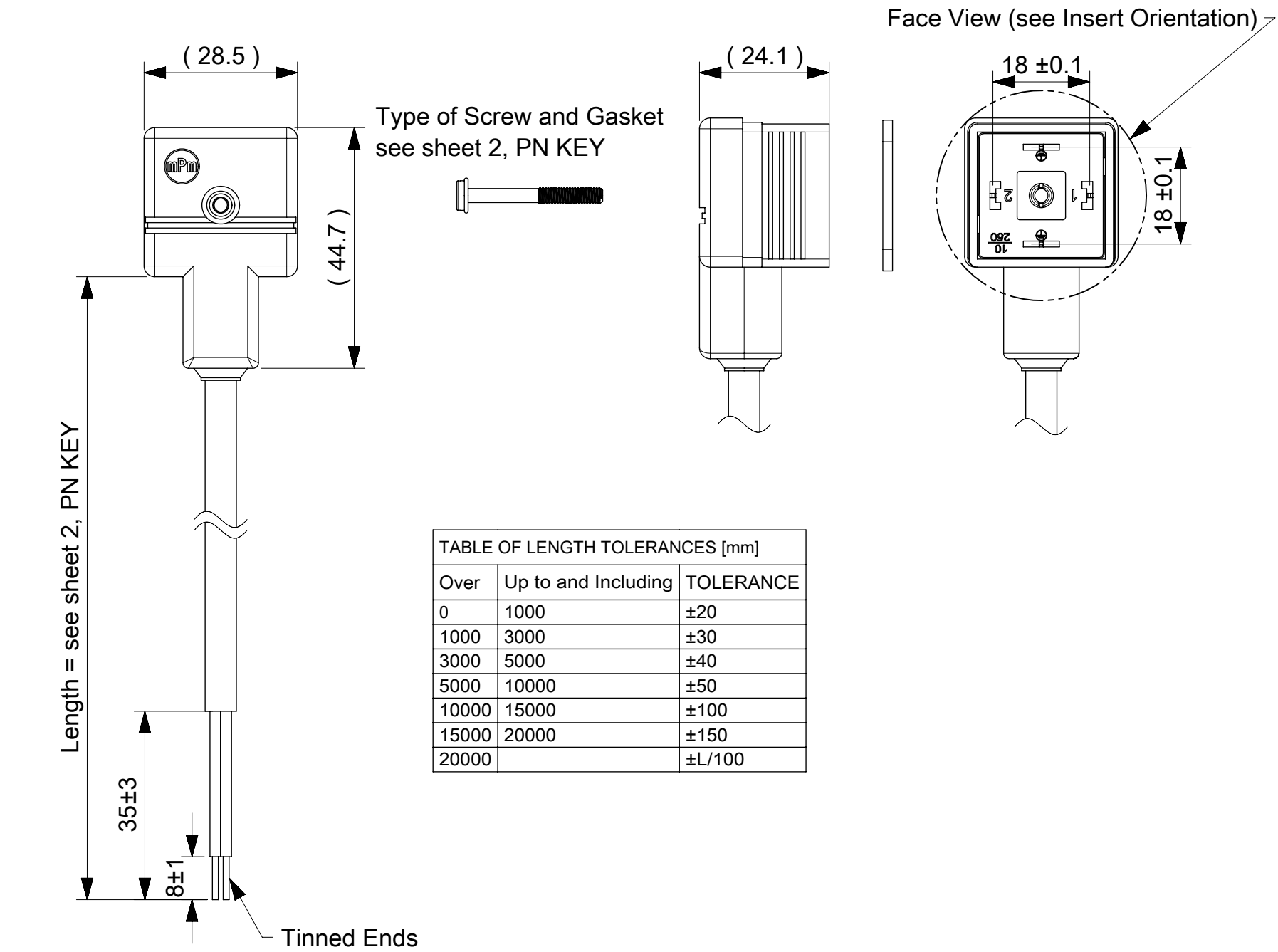
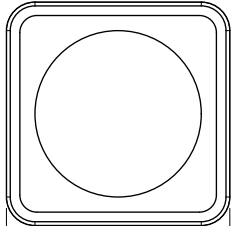
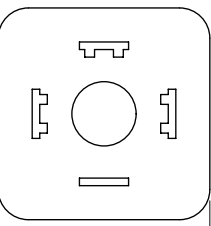
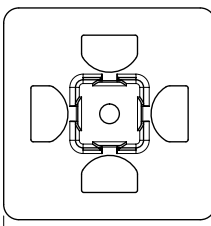
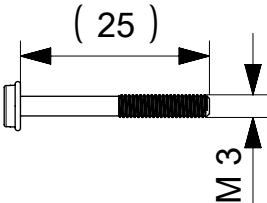
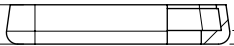
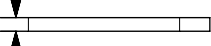
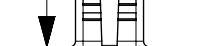
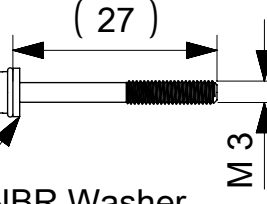




INSERT ORIENTATION	
Housing 2 Poles + 2 Earths	Housing 3 Poles + 1 Earth
Earth H6/H12 E151XXXXXX1X	Earth H12 E151XXXXXX2X PIN 3 Not Used
Earth H3/H9 E151XXXXXX4X	Earth H3 E151XXXXXX3X PIN 3 Not Used
	Earth H6 E151XXXXXX6X PIN 3 Not Used
	Earth H9 E151XXXXXX9X PIN 3 Not Used

WIRING CONFIGURATION	
Housing 2 Poles + 2 Earths	Housing 3 Poles + 1 Earth
Brown(or Black 1)○—————< 1	Brown(or Black 1)○—————< 1
Blue(or Black 2)○—————< 2	Blue(or Black 2)○—————< 2
Not Used ○—————< ⊕	Not Used ○—————< ⊕
Not Used ○—————< ⊕	Not Used ○—————< 3

Type of Screws and Gaskets

Profiled Gasket	Flat Gasket	Integrated Gasket	Screw M3x25
			
(□ 29.5)	(□ 28)	(□ 28)	Screw M3x27 + Washer
			
(5.2)	(1.8)	(1.8)	NBR Washer
(1.8)		(9.3)	M 3

FUNCTIONAL SYMBOLS

FA

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FE

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0

FE

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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 ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SD-121040-007
TRANSFERRED TO ECTR

EC NO: 778417
DRWN: APAWLAK01
CHK'D: RSILLER
APPR: RSILLER

2024/02/23
2024/02/27
2024/02/27

INITIAL REVISION:
DRWN: APAWLAK01
APPR: RSILLER

2024/02/23
2024/02/27

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

STANDARD E151 DIN FORM A EN 175301-803

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1210400033

PSD

000

A

121040

SEE 1210400033 PDP

GENERAL MARKET

1 OF 2

DOCUMENT STATUS

P1

RELEASE DATE

2024/02/27

15:10:37

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F

E

D

C

B

A

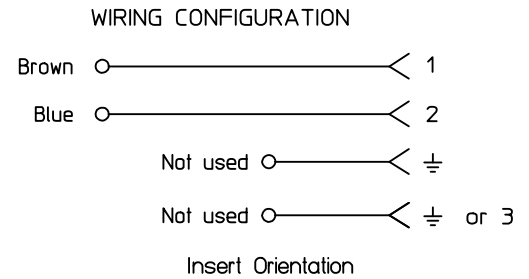
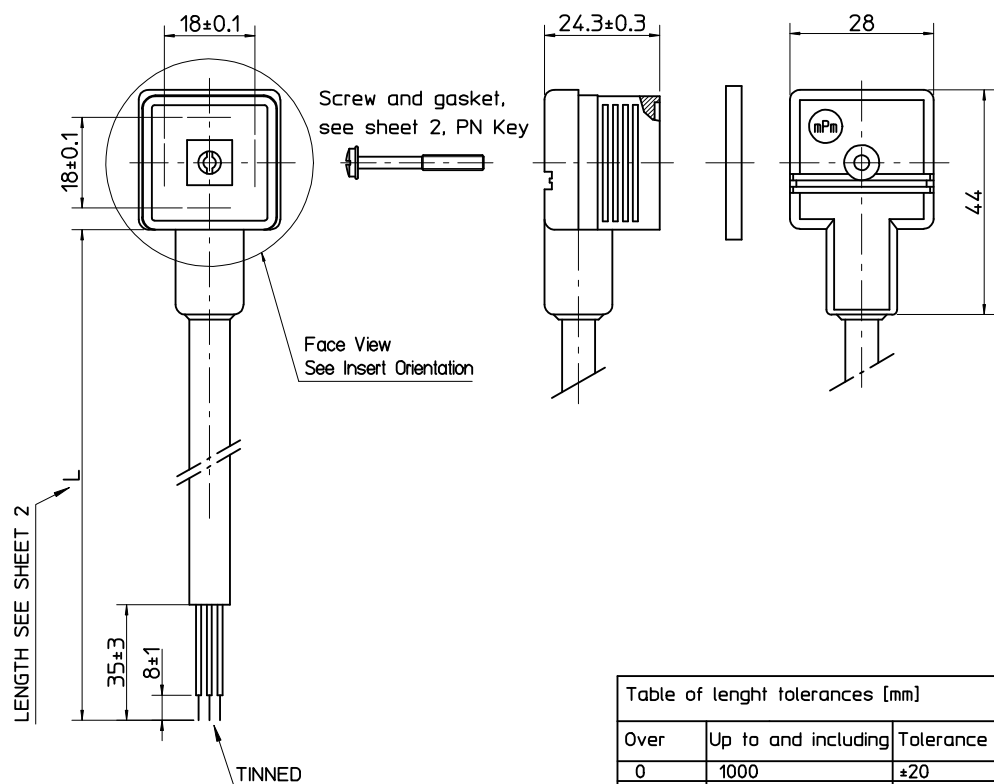


Table of lenght tolerances [mm]		
Over	Up to and including	Tolerance (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

Earth PIN H6/H12 E151XXXXXX1X EART PIN Not Used		Earth PIN H3/H9 E151XXXXXX4X EART PIN Not Used	
Earth PIN H12 E151XXXXXX2X EART PIN Not Used PIN 3 Not Used		Earth PIN H3 E151XXXXXX3X EART PIN Not Used PIN 3 Not Used	
Earth PIN H6 E151XXXXXX6X EART PIN Not Used PIN 3 Not Used		Earth PIN H9 E151XXXXXX9X EART PIN Not Used PIN 3 Not Used	

ORIGINAL RELEASE
EC NO: IPG2013-1033
DRWN: JMARSZALEK 2012/12/19
CHKD: MSZWAJKOWSKI 2012/12/19
APPR: MIWASIECZKO 2013/01/16

REV
A

QUALITY SYMBOLS
▽=0
C=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ± --- °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY JMARSZALEK	DATE 2012/12/19
CHECKED BY MSZWAJKOWSKI	DATE 2012/12/19
APPROVED BY MIWASIECZKO	DATE 2013/01/16

MATERIAL NO.

SIZE
A3

SCALE
-

DESIGN UNITS
METRIC

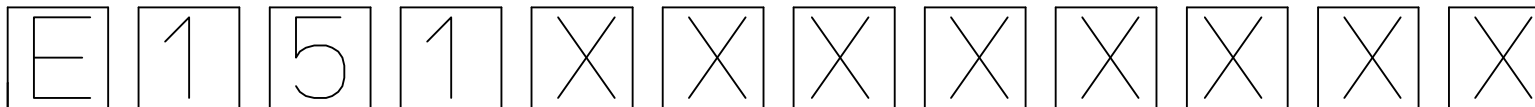
FIRST ANGLE
PROJECTION

TITLE
E151XXXXXXXXX
DIN FORM A
EN 175301-803
molex

DOCUMENT NO.
SD-121040-007

SHEET NO.
1 OF 3

10 9 8 7 6 5 4 3 2 1



E - Packing without bags
W - Single packing
Q - Quick packing

NUMBER OF WIRES:
1=2 WIRES
2=2 WIRES + EARTH
3=3 WIRES + EARTH

CABLE TYPE
SEE TABLE 1

CABLE CROSS SECTION AREA
SEE TABLE 2

HEAD COLOUR:
G=GREY,
N=BLACK,
T=TRANSPARENT,
A=CSA-UL BLACK,
B=CSA-UL GREY.

CABLE LENGHT IN CM
Eg.:050=50 CM, 300=300 CM, 10K=1000 CM.

EARTH PIN LOCATION (SEE INSERT ORIENTATION TABLE):
1=DOUBLE EARTH ON 6H AND 12H,
2=EARTH ON 12H,
6=EARTH ON 6H,
4=DOUBLE EARTH ON 3H AND 9H,
3=EARTH ON 3H,
9=EARTH ON 9H.

TYPE OF GASKET AND SCREW:
1=NBR PROFILE GASKET+FIXING SCREWS (M3x25 mm).
2=NBR FLAT GASKET+SCREW (M3x25 mm).
3=SILICONE PROFILE GASKET+SCREW (M3x25 mm).
4=SILICON FLAT GASKET+SCREW (M3x25 mm).
P=INTEGRATED GASKET+FIXING SCREW+GROMMET (M3x27 mm).
R=INTEGRATED GASKET+SCREW+GROMMET (M3x27 mm).
T=PROFILE GASKET+SCREW+GROMMET (M3x27 mm).

ORIGINAL RELEASE EC NO: IPG2013-1033 DRWN: JMARSZALEK 2012/12/19 CHKD: MSZWAJKOWSKI 2012/12/19 APPR: MIWASIECZKO 2013/01/16	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE -	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION		
			mm	INCH	DRAWN BY JMARSZALEK	DATE 2012/12/19	TITLE E151XXXXXXXXX DIN FORM A EN 175301-803			
		4 PLACES	± ---	± ---	CHECKED BY MSZWAJKOWSKI	DATE 2012/12/19				
		3 PLACES	± ---	± ---	APPROVED BY MIWASIECZKO	DATE 2013/01/16	DOCUMENT NO. SD-121040-007			
A	REV	ANGULAR ± --- °		MATERIAL NO.		SHEET NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATRIX DRAWING		2 OF 3				
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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TABLE 2 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Color	Diameter Ø	DIN A-B	DIN C
1210180080	I	0	3	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	6,4+/-0,2 mm	OK.	-
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5,5+/-0,2 mm	OK.	OK.
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5,6+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Black	7+/-0,2 mm	OK.	-
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Black	7+/-0,2 mm	OK.	-
1210180122	D	2	3	0,5 mm2	PVC TI2 CEI 20-20	Grey	5,5+/-0,2 mm	OK.	OK.
-	F	2	3	0,5 mm2	CNOMO	Grey RAL7000	5,5+/-0,2 mm	OK.	OK.
1210180047	I	2	2	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	5,5+0,3/-0 mm	OK.	OK.
1210180284	I	2	3	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	5,5+0,3/-0 mm	OK.	OK.
1210180146	I	2	4	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	6,5+/-0,2 mm	OK.	OK.
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7+/-0,2 mm	OK.	-
1210180022	N	2	2	0,5 mm2	PVCH03	Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Black	5,5+/-0,2 mm	OK.	OK.
1202092439	P	2	3	0,5 mm2	PUR - BLEND	Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Black	6,5+/-0,2 mm	OK.	OK.
1202092215	P	2	5	0,5 mm2	PUR - BLEND	Black	7+0,3/-0,1 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6,5+/-0,2 mm	OK.	-
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6,5+/-0,2 mm	OK.	-
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7+/-0,2 mm	OK.	-
1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7,8+/-0,25 mm	OK.	-
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6,5+/-0,2 mm	OK.	-
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7+/-0,2 mm	OK.	-
1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7,8+/-0,2 mm	OK.	-
1210180073	D	3	3	0,75 mm2	PVC TI2 CEI 20-20	Grey	6,5+/-0,2 mm	OK.	OK.
1210180145	D	3	4	0,75 mm2	PVC TI2 CEI 20-20	Grey	7,1+/-0,2 mm	OK.	-
1202098206	I	3	2	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7001	5,5+/-0,2 mm	OK.	-
1210180120	I	3	3	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	6+/-0,2 mm	OK.	-
1210180143	I	3	4	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7+/-0,2 mm	OK.	-
1210180032	N	3	2	0,75 mm2	PVCH05	Black	6,2+/-0,2 mm	OK.	-
1210180069	N	3	3	0,75 mm2	PVCH05	Black	6,5+/-0,2 mm	OK.	-
1210180144	N	3	4	0,75 mm2	PVCH05	Black	7,1+/-0,2 mm	OK.	-
1210180174	N	3	5	0,75 mm2	PVCH05	Black	8,0+0,2-0 mm	OK.	-
1202094190	P	3	2	0,75 mm2	PUR - BLEND	Black	6,5+/-0,2 mm	OK.	-

TABLE 2 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Color	Diameter Ø	DIN A-B	DIN C
1210180071	P	3	3	0,75 mm2	PUR - BLEND	Black	6,5+/-0,2 mm	OK.	-
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Black	7+/-0,2 mm	OK.	-
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Black	6,5+/-0,2 mm	OK.	-
1210180094	T	3	3	0,75 mm2	PUR CSA/UL	Yellow	6,5+/-0,2 mm	OK.	-
1210180309	Y	3	3	0,75 mm2	SIL/0300	Red	6,5+/-0,2 mm	OK.	-
1210180081	F	4	3	1 mm2	CNOMO	Grey RAL7000	7,1+0,2/-0 mm	OK.	-
-	F	4	4	1 mm2	CNOMO	Grey RAL7000	7,1+0,2/-0 mm	OK.	-
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,1+0,2/-0 mm	OK.	-
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,1+0,2/-0 mm	OK.	-
1210180036	N	4	2	1 mm2	PVCH05	Black	6,5+0,2/-0 mm	OK.	-
1210180082	N	4	3	1 mm2	PVCH05	Black	6,9+0,2/-0 mm	OK.	-
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Black	7,1+/-0,2 mm	OK.	-
1210180085	N	5	3	1,5 mm2	PVCH05	Black	8,3+0,2/-0 mm	OK.	-
1210180313	I	6	2	0,35 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	4,8+/-0,2 mm	OK.	-
-	A	7	3	20 AWG	PVC CSA/UL 2661	Yellow	5,6+/-0,2 mm	OK.	OK.
1210180149	I	9	4	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,3+/-0,2 mm	OK.	-

TABLE 1 - CABLES TYPE

Code	Cable types	Features	Stranding
N	PVC	Application general purpose cable which has good resistance to water, but usually poor oil resistance.	0,5 mm2 = 15 x 0,20 0,75 mm2 = 21 x 0,20 1 mm2 = 28 x 0,20
I	CEI	Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	0,5 mm2 = 28 x 0,15 0,75 mm2 = 42 x 0,15 1 mm2 = 32 x 0,20
P	PUR	Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	0,5 mm2 = 28 x 0,15 0,75 mm2 = 42 x 0,15 1 mm2 = 32 x 0,20
A	PVC CSA-UL	Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance.	20 AWG = 32 x 0,15 18 AWG = 52 x 0,15
B	PUR CSA-UL	Approved to CSA-UL 20668, very good resistance to oil and chemicals.	20 AWG = 32 x 0,15 18 AWG = 52 x 0,15

ORIGINAL RELEASE EC NO: IPG2013-1033 DRWN: JMARSZALEK 2012/12/19 CHKD: MSZWAJKOWSKI 2012/12/19 APPR: MIWASIECZKO 2013/01/16	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	mm		INCH		DIMENSION STYLE MM ONLY		SCALE -	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
			4 PLACES ± --- ± ---		DRAWN BY DATE JMARSZALEK 2012/12/19		TITLE				
			3 PLACES ± --- ± ---		CHECKED BY DATE MSZWAJKOWSKI 2012/12/19		E151XXXXXXXXX DIN FORM A EN 175301-803 molex				
			2 PLACES ± --- ± ---		APPROVED BY DATE MIWASIECZKO 2013/01/16						
1 PLACE ± --- ± ---		0 PLACE ± --- ± ---		ANGULAR ± --- °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATRIX DRAWING		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-121040-007		3 OF 3			

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