

E33XXXXXX

E - Pakowanie bez workow
W - Pakowanie pojedynczo
Q - Szybkie pakowanie

ILOSC PRZEWODOW/NUMBER OF WIRES:
1=2 PRZEWODY,
2=2 PRZEWODY+UZIEMIENIE,
3=3 PRZEWODY+UZIEMIENIE.

TYP KABLA/CABLE TYPE
PATRZ TABELA 1/SEE TABLE 1

RODZAJ KABLA/CABLE CROSS SECTION AREA
PATRZ TABELA 2/SEE TABLE 2

KOLOR MOULDINGU/HEAD COLOUR:
G=SZARY/GREY;
N=CZARNY/BLACK;
T=PRZETROCZYSTY/TRANSPARENT;
A=CZARNY/BLACK;
B=SZARY/GREY.

DLUGOSC KABLA W CM/CABLE LENGHT IN CM
NP:050=50 CM, 300=300 CM.

POLOZENIE PINU Z UZIEMIENIEM(PATRZ TABELA ORJENTACJA OBUDOWY)/EARTH PIN LOCATION(SEE INSERT ORIENTATION TABLE):
1=PODWOJNE UZIEMIENIE NA GODZINIE 6 ORAZ 12/DOUBLE EARTH ON 6H AND 12H,
2=UZIEMIENIE NA GODZINIE 12/1EARTH ON 12H,
6=UZIEMIENIE NA GODZINIE 6/EARTH ON 6H.
4=PODWOJNE UZIEMIENIE NA GODZINIE 3 ORAZ 9/DOUBLE EARTH ON 3H AND 9H,
3=UZIEMIENIE NA GODZINIE 3/1EARTH ON 3H,
9=UZIEMIENIE NA GODZINIE 9/EARTH ON 9H.

GASKET ORAZ SRUBY/GASKET SCREWS:
1=GASKET PROFILOWANY+SRUBA/NBR PROFILE GASKET+FIXING SCREWS,
2=NBR PLASKI GASKET+SRUBA/NBR FLAT GASKET+SCREW,
3=SILIKONOWY PROFILOWANY GASKET+SRUBA/SILICONE PROFILE GASKET+SCREW,
4=SILIKOWANY PLASKI GASKET+SRUBA/SILICON FLAT GASKET+SCREW,
P=ZINTEGROWANY GASKET+SRUBA/INTEGRATED GASKET+FIXING SCREW,
R=ZINTEGROWANY GASKET+SRUBA/INTAGRATED GASKET+SCREW,
T=PROFILOWANY GASKET+SRUBA, PROFILE GASKET+SCREW.

PRE-RELEASE
REFERENCE
USE ONLY

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBERS				molex MPM E33XXXXXXXXXX				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
		MM	INCH	EC NO: 650268 DRWN: SUGEEB 2020/10/22 CHK'D: GGA 2020/12/18 APPR: GGA 2020/12/18 INITIAL REVISION: DRWN: MLEVYTSKYY 2009/01/21 APPR: MWOLSZCZAK 2009/01/21				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
4 PLACES	±		±					E33XXXXXXXXXX		PSD	001	B
3 PLACES	±		±					PRODUCT CUSTOMER DRAWING				
2 PLACES	±		±									
1 PLACE	±		±									
0 PLACES	±		±									
ANGULAR TOL		±	°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE	121040	SEE TABLE		GENERAL MARKET		2 OF 4

10	9	8	7	6	5	4	3	2	1
TABELA 2 KABLE/TABLE 2 CABLES									
MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180080	I	0	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
-	A	2	3	20 AWG	PVC CSA/UL 2661	Czarny/Black	5,6+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Czarny/Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Czarny/Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Czarny/Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	
1210180122	D	2	3	0,5 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
-	F	2	3	0,5 mm2	CNOMO	Szary/Grey RAL7000	5,5+/-0,2 mm	OK.	OK.
1210180047	I	2	2	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
-	I	2	3	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
1210180146	I	2	4	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	6,5+/-0,2 mm	OK.	
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7+/-0,2 mm	OK.	
1210180022	N	2	2	0,5 mm2	PVCH03	Czarny/Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Czarny/Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Czarny/Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
-	P	2	3	0,5 mm2	PUR - BLEND	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Czarny/Black	-	-	-
-	P	2	5	0,5 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czarny/Black	7,8+/-0,2 mm	OK.	
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czarny/Black	7,8+/-0,2 mm	OK.	
1210180073	D	3	3	0,75 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
1210180145	D	3	4	0,75 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
1210180120	I	3	3	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180143	I	3	4	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180032	N	3	2	0,75 mm2	PVCH05	Czarny/Black	6,2+ 0,2-0 mm	OK.	
1210180069	N	3	3	0,75 mm2	PVCH05	Czarny/Black	6,6+0,2-0 mm	OK.	
-	N	3	4	0,75 mm2	PVCH05	Czarny/Black	7,15+0,2-0 mm	OK.	
1210180174	N	3	5	0,75 mm2	PVCH05	Czarny/Black	8,0+0,2-0 mm	OK.	
-	P	3	2	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	OK.	

TABELA 2 KABLE/TABLE 2 CABLES									
MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180071	P	3	3	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180094	T	3	3	0,75 mm2	PUR CSA/UL	Żółty/Yellow	-	-	-
1210180309	Y	3	3	0,75 mm2	SIL/0300	Czerwony/Red	6,5+/-0,2 mm	-	-
1210180081	F	4	3	1 mm2	CNOMO	Szary/Grey RAL7000	-	-	-
-	F	4	4	1 mm2	CNOMO	Szary/Grey RAL7000	7,1+0,2-0 mm	OK.	
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	
1210180036	N	4	2	1 mm2	PVCH05	Czarny/Black	6,5+0,2-0 mm	OK.	
1210180082	N	4	3	1 mm2	PVCH05	Czarny/Black	6,9+0,2-0 mm	OK.	
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Czarny/Black	-	-	-
1210180085	N	5	3	1,5 mm2	PVCH05	Czarny/Black	8,3+0,2-0 mm	OK.	
1210180313	I	6	2	0,35 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
-	A	7	3	20 AWG	PVC CSA/UL 2661	Żółty/Yellow	5,6+/-0,2 mm	OK.	OK.
1210180149	I	9	4	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-

TABELA 1 TYPY KABLI/TABLE 1 CABLES TYPE									
Znakowanie /Code	Rodzaje kabla /Cable types	Właściwości/Features					Przekroje/Stranding		
N	PVC	Kabel z dobrą rezystancją w wodzie ale słabą w oleju. /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	PVC	Zatwierdzone przez IEC 332-2A, samogaszący. /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	PVC	Dobra rezystancja w olejach i chemikaljach. /Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.					20 AWG = 32 x 0.15 18 AWG = 52 x 0.15		
A	PVC	Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wode słaba na olej. / 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	PVC	Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystanja w oleju i chemikaljach. / Approved to CSA-UL 20668, very good resistance to oil and chemicals.					20 AWG = 32 x 0.15 18 AWG = 52 x 0.15		

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DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES

±

±

3 PLACES

±

±

2 PLACES

±

±

1 PLACE

±

±

0 PLACES

±

±

ANGULAR TOL

±

°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: OBSOLETE PART NUMBERS

EC NO: 650268

DRWN: SUGEEB

CHK'D: GGA

APPR: GGA

2020/10/22

2020/12/18

2020/12/18

INITIAL REVISION:

DRWN: MLEVYTSKYY

APPR: MWOLSZCZAK

2009/01/21

2009/01/21

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DOCUMENT NUMBER

E33XXXXXXXXXX

DOC TYPE

PSD

DOC PART

001

REVISION

B

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

E33XXXXXXXXXX

DOC TYPE

PSD

DOC PART

001

REVISION

B

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

3 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2020/12/18

11:23:06

9

8

7

6

5

4

3

2

1

TABELA 3/CHART 3

MX PN	WH PN
1210400400	E331N2N15011
1210400412	E332N2N02012
1210400912	E332N2N02511
1210400414	E332N2N03011
1210400415	E332N2N05011
1210400422	E332N2N10011
1210400423	E332N2N10012
1210400436	E332N2N20011
1210400437	E332N2N20012
1210400438	E332N2N20021
1210400439	E332N2N20061
1210400445	E332N2N30011
1210400446	E332N2N30012
1210400451	E332N2N50011
1210400452	E332N2N50012
1210400453	E332N2N50021
1210400917	E332P2N05021
1210400981	E332P2N06011
1210400784	E332P2N20011
1210401012	E333A2A3002T
1210400672	E333I2N60061
1210400939	E331A2A10011
1210401129	E331N2N03012
1210401080	W332N2N20011

MOLEX PN	WOODHEAD PN
1210400432	E332N2N15011
1210400464	E333N2N06021
1210400717	E333P2N10K22
1210400428	E332N2N10K11

PRE-RELEASE
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USE ONLY

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DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	±	°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

FIRST ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

121040

CURRENT REV DESC: OBSOLETE PART NUMBERS

EC NO: 650268

DRWN: SUGEEB

CHK'D: GGA

APPR: GGA

2020/10/22

2020/12/18

2020/12/18

INITIAL REVISION:

DRWN: MLEVYTSKYY

APPR: MWOLSZCZAK

2009/01/21

2009/01/21

DOCUMENT NUMBER

E33XXXXXXXXXX

DOC TYPE

PSD

DOC PART

001

REVISION

B

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

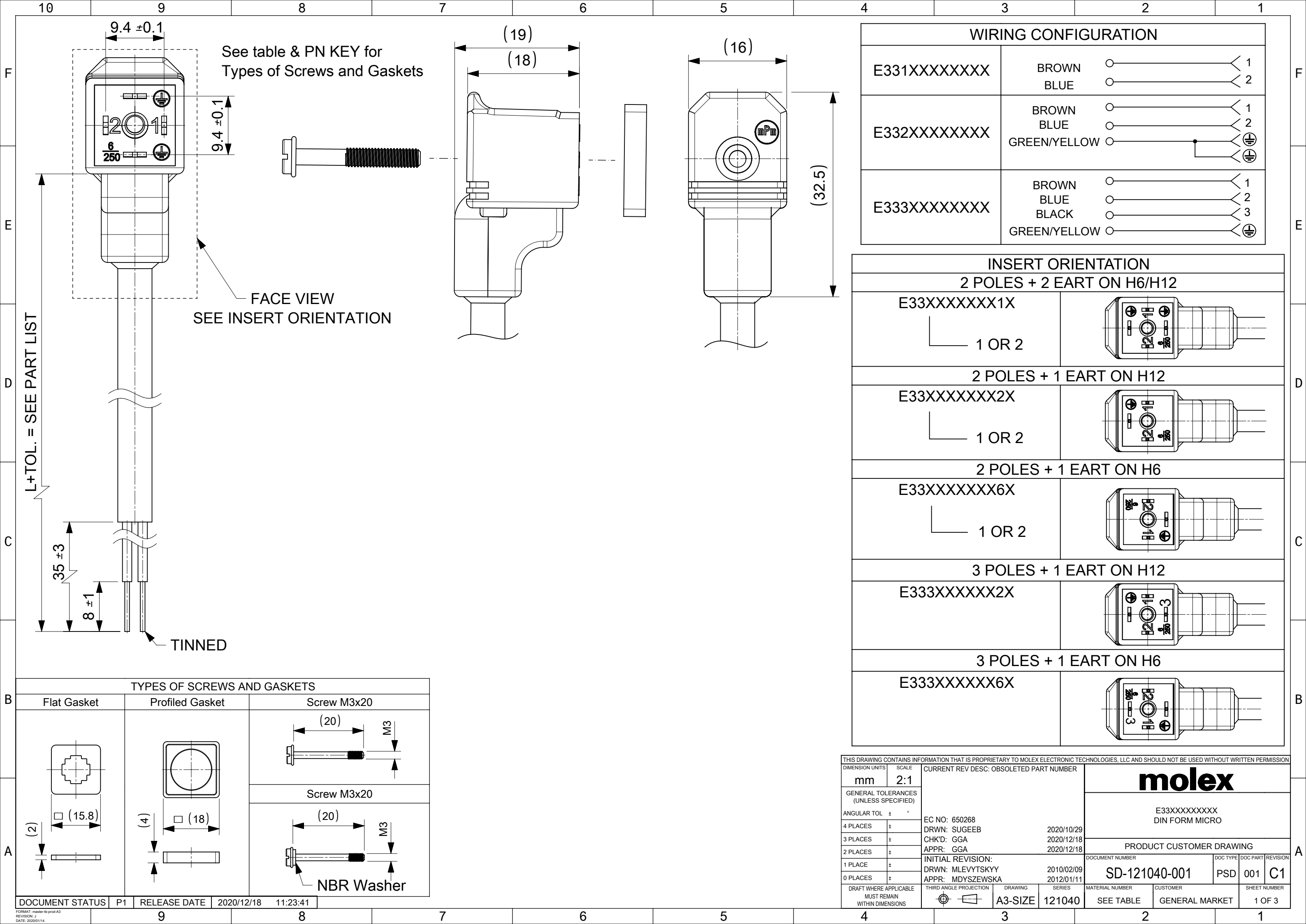
E33XXXXXXXXXX

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4



PART NO MATRIX :

E 3 3 X X X X X X X X X

E - Packing without bag

Number of wires:
1- 2 Wires
2- 2 Wires + Earth
3- 3 Wires + Earth

Cable type:
See Cable List

Head Colour :
G - Grey
N - Black
T - Transparent
A - CSA-UL Black
B - CSA-UL Grey

Cable Length [cm]:
050 = 50cm
300 = 300cm
10K = 1000cm

Type of Gasket and Screw (see sheet 1) :
1 = NBR Profile Gasket + Fixing Screw (M3x20mm)
2 = NBR Flat Gasket + Fixing Screw (M3x20mm)
3 = Silicone Profile Gasket + Fixing Screw (M3x20mm)
4 = Silicone Flat Gasket + Fixing Screw (M3x20mm)
T = NBR Profile Gasket + Fixing Screw with Washer (M3x20mm)

Earth PIN location (see insert orientation table):
1 =Double Earth on H6 & H12
2 = Earth on H12
6 = Earth on H6

CABLE LIST

MOLEX PN	NO. OF WIRES CODE (SEE PN MATRIX)	CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	WIRES COLOR
1210180467	1	A2	2	AWG 20	Ø5.4±0.2 mm	PVC BLACK	BN, BU
1210180128	2	A2	3	AWG 20	Ø5.6±0.2 mm	PVC BLACK	BN, BU, GN/YE
1210180394	3	A2	4	AWG 20	Ø6.2±0.25 mm	PVC BLACK	BN, BU, BK, GN/YE
1210180047	1	I2	2	0.5mm²	Ø5.5+0.3 mm	PVC GREY	BN, BU
1210180284	2	I2	3	0.5mm²	Ø5.5+0.3 mm	PVC GREY	BN, BU, GN/YE
1210180146	3	I2	4	0.5mm²	Ø6.5+0.2 mm	PVC GREY	BN, BU, BK, GN/YE
1210180022	1	N2	2	0.5mm²	Ø5.2±0.2 mm	PVC BLACK	BN, BU
1202092753	2	N2	3	0.5mm²	Ø5.5±0.2 mm	PVC BLACK	BN, BU, GN/YE
1210180153	3	N2	4	0.5mm²	Ø5.9±0.3 mm	PVC BLACK	BN, BU, BK, GN/YE
1202092439	2	P2	3	0.5mm²	Ø5.5+0.3 mm	PUR BLACK	BN, BU, GN/YE
1210180302	3	P2	4	0.5mm²	Ø6.5±0.2 mm	PUR BLACK	BN, BU, BK, GN/YE
1202094190	1	P3	2	0.75mm²	Ø6.5±0.2 mm	PUR BLACK	BN, BU
1210180126	2	B2	3	AWG 20	Ø5.6±0.2 mm	PUR BLACK	BN, BU, GN/YE
1210180016	1	IA	2	0.25mm²	Ø3.5±0.15mm	PVC GREY	BN, BU
1202090957	2	I8	3	0.5mm²	Ø5.5±0.2 mm	PVC GREY	BN, BU, GN/YE

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER				molex			
mm	2:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 650268 DRWN: SUGEEB CHK'D: GGA APPR: GGA 2020/10/29 2020/12/18 2020/12/18				E33XXXXXXXXX DIN FORM MICRO			
ANGULAR TOL	± °					PRODUCT CUSTOMER DRAWING			
4 PLACES	±					INITIAL REVISION:			
3 PLACES	±					DRWN: MLEVYTSKYY APPR: MDYSZEWSKA		2010/02/09 2012/01/11	
2 PLACES	±					DOCUMENT NUMBER		DOC TYPE	DOC PART
1 PLACE	±					SD-121040-001		PSD	001
0 PLACES	±					SHEET NUMBER		2 OF 3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER			
			A3-SIZE	121040	SEE TABLE	GENERAL MARKET			

DOCUMENT STATUS	P1	RELEASE DATE	2020/12/18	11:23:41
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	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																	
F	PART LIST :																																																																																																																																																																																										
	<table><tr><td>MOLEX PN</td><td>ENGINEERING NO.</td><td>LENGTH in MM</td></tr><tr><td>1210400400</td><td>E331N2N15011</td><td>1500</td></tr><tr><td>1210400412</td><td>E332N2N02012</td><td>200</td></tr><tr><td>1210400414</td><td>E332N2N03011</td><td>300</td></tr><tr><td>1210400415</td><td>E332N2N05011</td><td>500</td></tr><tr><td>1210400422</td><td>E332N2N10011</td><td>1000</td></tr><tr><td>1210400423</td><td>E332N2N10012</td><td>1000</td></tr><tr><td>1210400428</td><td>E332N2N10K11</td><td>10000</td></tr><tr><td>1210400432</td><td>E332N2N15011</td><td>1500</td></tr><tr><td>1210400436</td><td>E332N2N20011</td><td>2000</td></tr><tr><td>1210400437</td><td>E332N2N20012</td><td>2000</td></tr><tr><td>1210400438</td><td>E332N2N20021</td><td>2000</td></tr><tr><td>1210400439</td><td>E332N2N20061</td><td>2000</td></tr><tr><td>1210400445</td><td>E332N2N30011</td><td>3000</td></tr><tr><td>1210400446</td><td>E332N2N30012</td><td>3000</td></tr><tr><td>1210400451</td><td>E332N2N50011</td><td>5000</td></tr><tr><td>1210400452</td><td>E332N2N50012</td><td>5000</td></tr><tr><td>1210400453</td><td>E332N2N50021</td><td>5000</td></tr><tr><td>1210400457</td><td>E332P2N10012</td><td>1000</td></tr><tr><td>1210400459</td><td>E332P2N30012</td><td>3000</td></tr><tr><td>1210400460</td><td>E332P2N50012</td><td>5000</td></tr><tr><td>1210400464</td><td>E333N2N06021</td><td>600</td></tr><tr><td>1210400470</td><td>E333N2N20021</td><td>2000</td></tr><tr><td>1210400672</td><td>E333I2N60061</td><td>6000</td></tr><tr><td>1210400703</td><td>E333N2N10K21</td><td>10000</td></tr><tr><td>1210400717</td><td>E333P2N10K22</td><td>10000</td></tr><tr><td>1210400784</td><td>E332P2N20011</td><td>2000</td></tr><tr><td>1210400870</td><td>E332A2A06011</td><td>600</td></tr><tr><td>1210400912</td><td>E332N2N02511</td><td>250</td></tr><tr><td>1210400916</td><td>E333P2N05021</td><td>500</td></tr><tr><td>1210400917</td><td>E332P2N05021</td><td>500</td></tr><tr><td>1210400939</td><td>E331A2A10011</td><td>1000</td></tr></table>			MOLEX PN	ENGINEERING NO.	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