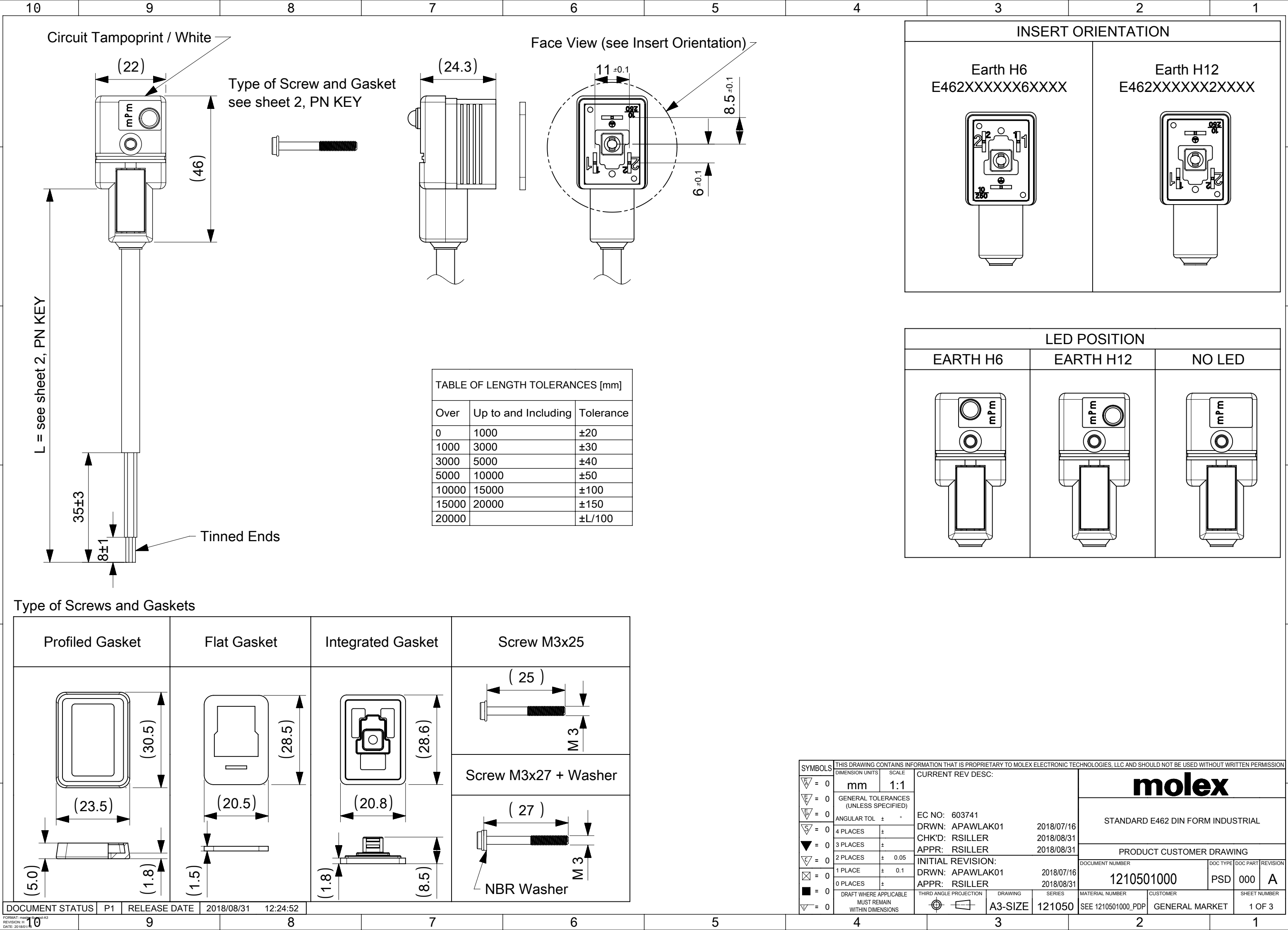




PN KEY ENGINEERING PN

E

4

6

2

X

X

X

X

X

X

X

X

X

X

X

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

Cable type:
See Table

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

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

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

Wiring Configuration:
See sheet 3

Voltage and Led Colour

Red Led:	Green Led:	Yellow Led:
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V
3 = 48V	C = 48V	K = 48V
4 = 115V	D = 115V	L = 115V
5 = 230V	E = 230V	M = 230V

Type of Gasket and Screw (see sheet 1):
1 = NBR Profile Gasket + Fixing Screw M3x25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
3 = Silicone Profile Gasket + Fixing Screw M3x25mm
4 = Silicone Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A2	3	AWG 20	5.6mm±0.2	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
A3	3	AWG 18	6.5mm±0.25	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
B2	3	AWG 20	5.6mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
B3	3	AWG 18	6.5mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
F4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-15°C to +70°C, 10xO.D.	-5°C to +60°C, 15xO.D.	-
I0	3	1mm²	7.6mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	YES
I2	3	0.5mm²	5.5mm+0.3	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I3	3	0.75mm²	6.0mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
N2	3	0.5mm²	5.6mm±0.7	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N3	3	0.75mm²	6.8mm±0.8	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N4	3	1mm²	7.15mm±0.85	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
P1	3	0.34mm²	5.3mm±0.2	PUR BLACK	-	-	-25°C to +80°C, 10xO.D.	-5°C to +80°C, 15xO.D.	
P2	3	0.5mm²	5.5mm+0.3	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
P3	3	0.75mm²	6.5mm±0.2	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-

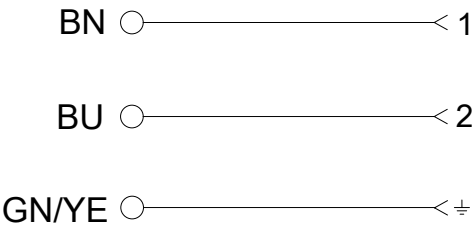
Notes:

1. Please see excel sheet 1210501000_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-003

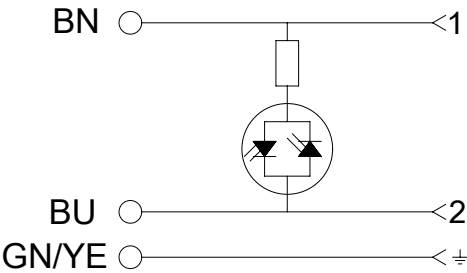
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	▽ = 0	mm	1:1					
	▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)						
	▽ = 0	ANGULAR TOL	± °	EC NO: 603741 DRWN: APAWLAK01 2018/07/16 CHK'D: RSILLER 2018/08/31 APPR: RSILLER 2018/08/31	STANDARD E462 DIN FORM INDUSTRIAL			
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▽ = 0	2 PLACES	± 0.05	INITIAL REVISION: DRWN: APAWLAK01 2018/07/16 APPR: RSILLER 2018/08/31	PRODUCT CUSTOMER DRAWING				
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▽ = 0	0 PLACES	±						
▣ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
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WIRING DIAGRAMS

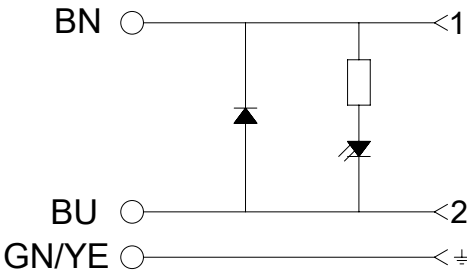
ELECTRICAL DIAGRAM 00



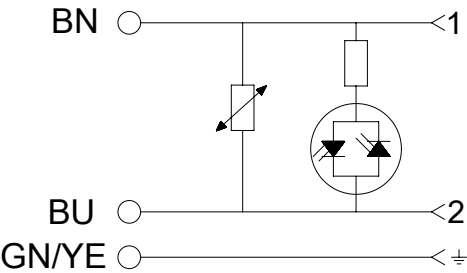
ELECTRICAL DIAGRAM A1



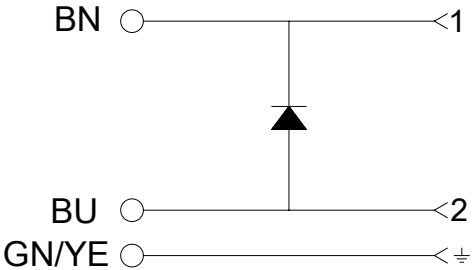
ELECTRICAL DIAGRAM C3



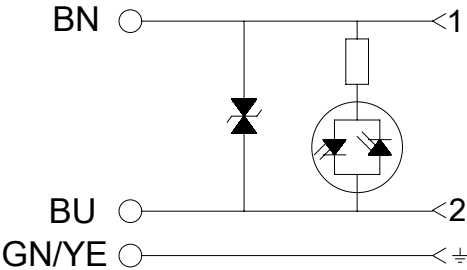
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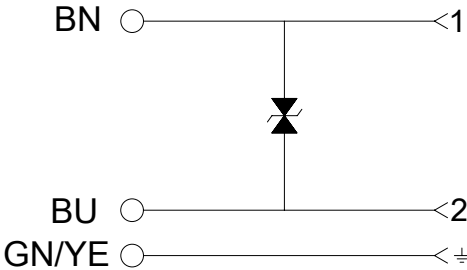
ELECTRICAL DIAGRAM E0



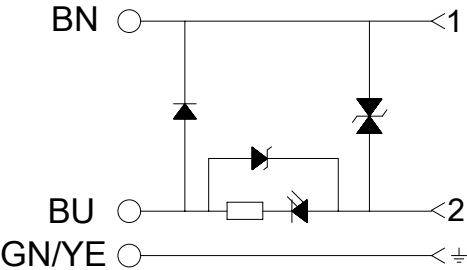
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1



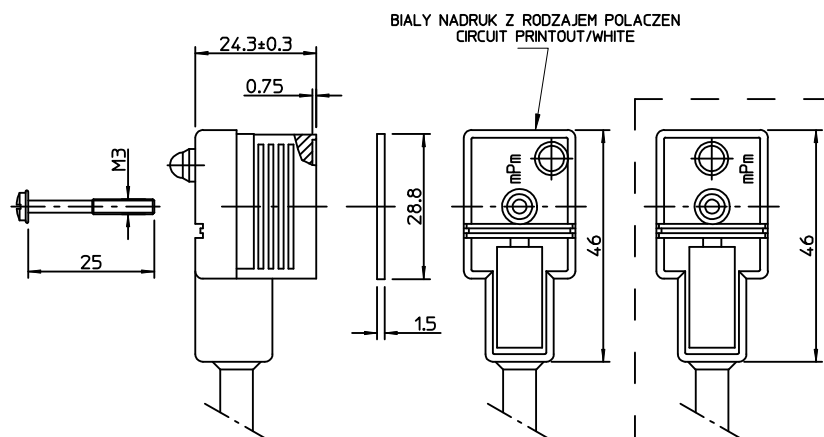
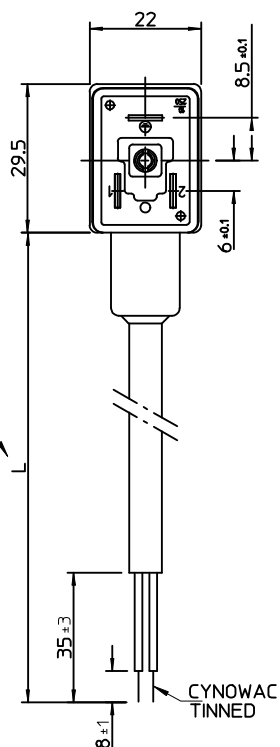
ELECTRICAL DIAGRAM NS



Technical Spec:
Supply Voltage: See PN KEY
Max. current: 5A; A1-C4-S0
1,5A; R2
Contact Resistance: ≤15milliohms max.
Operating Temperature:
with NBR Gasket: -40°C +90°C
with Silicone: -40°C +125°C

SYMBOLS		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:				molex							
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▽ = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)															
▽ = 0																	
▽ = 0		ANGULAR TOL		± °		EC NO: 603741				STANDARD E462 DIN FORM INDUSTRIAL							
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▽ = 0										MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
▽ = 0										SEE 1210501000_PDP		GENERAL MARKET		3 OF 3			

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31	12:24:52
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Widok dla H12 Widok dla H6

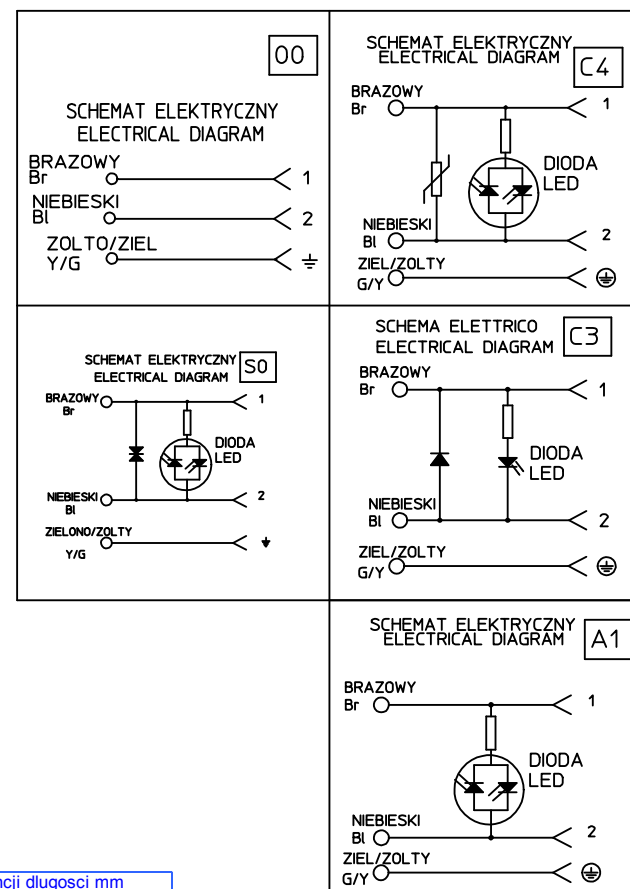
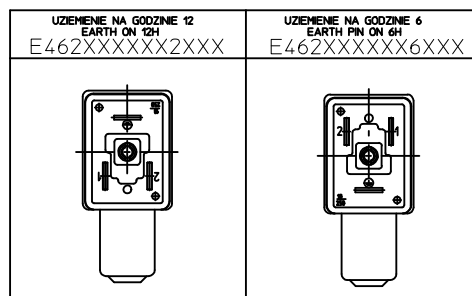


Table of lenght tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja +/-
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
	>20000	L/100

UWAGI:

1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:

1. LENGHT SEE SHEET 2.

ORIGINAL RELEASE EC NO: WEU2009-0394 DRWN: MWOL SZCZAK 2009/05/26 CHK'D: MDABROWSKA 2009/05/29 APPR: GOGRODNIK 2009/06/08	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY MWOL SZCZAK	DATE 2009/01/21	TITLE MPM E462XXXXXXXXXXXX		
				± ---	± ---	CHECKED BY MDABROWSKA	DATE 2009/01/21			
				± ---	± ---	APPROVED BY GOGRODNIK	DATE 2009/01/21			
				± ---	± ---	MOLEX MOLEX INCORPORATED				
				ANGULAR ± ---°		DOCUMENT NO.			SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SE DRAWING			E462XXXXXXXXXXXX			1 OF 4			
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

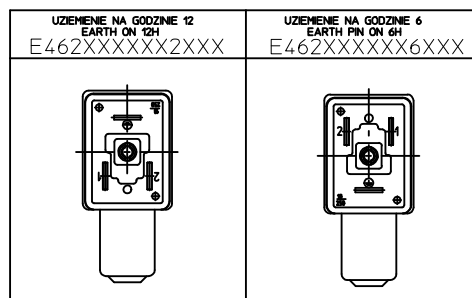
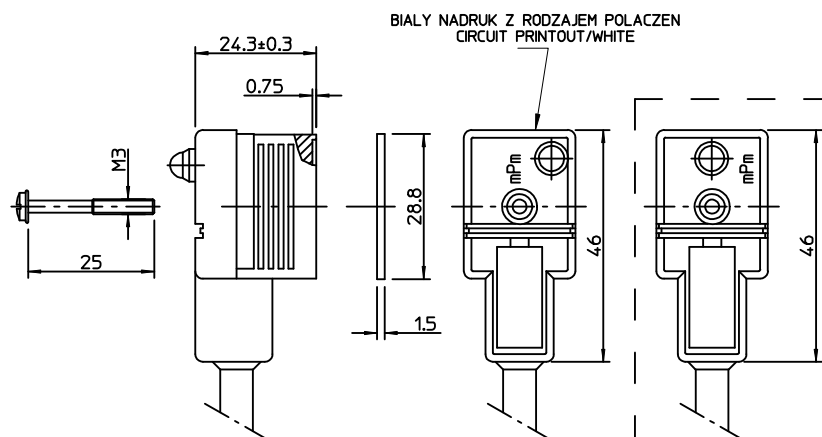
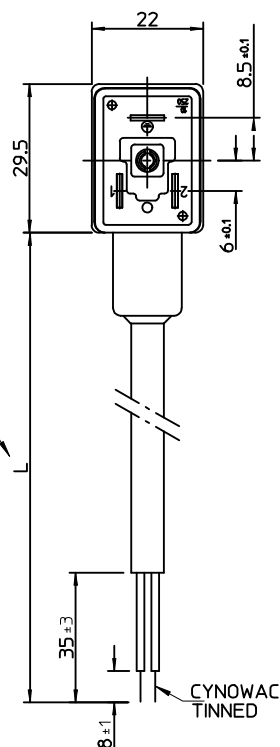
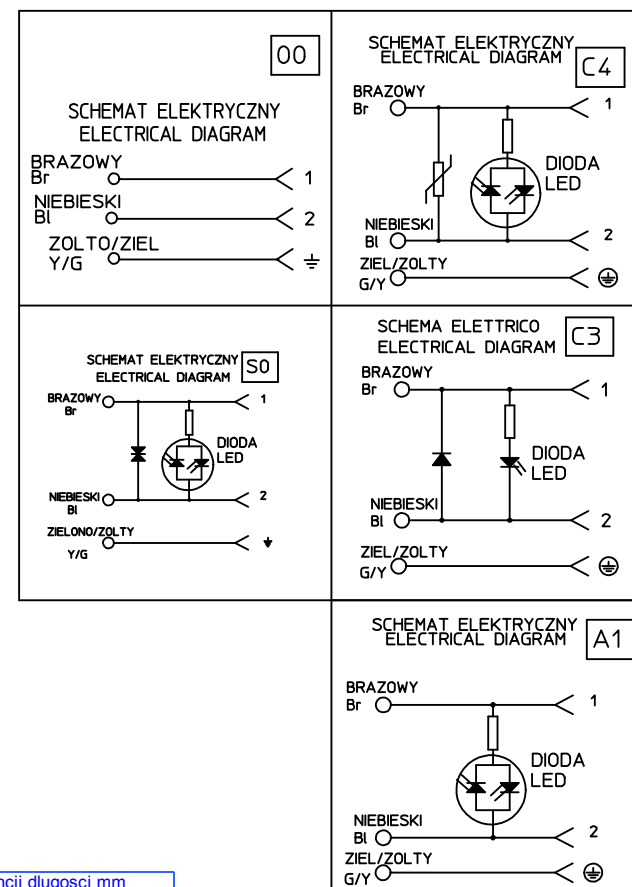


Table of lenght tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja +/-
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
	>20000	L/100



UWAGI:

1. DŁUGOŚĆ PATRZ ARKUSZ 2.

NOTES:

1. LENGTH SEE SHEET 2.

ORIGINAL RELEASE EC NO: WEU2009-0394 DRWN: MWOL SZCZAK 2009/05/26 CHK'D: MDABROWSKA 2009/05/29 APPR: GOGRODNIK 2009/06/08	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWN BY MWOL SZCZAK	DATE 2009/01/21	TITLE MPM E462XXXXXXXXXXXX		
				4 PLACES	± ---	± ---	CHECKED BY MDABROWSKA	DATE 2009/01/21			
				3 PLACES	± ---	± ---	APPROVED BY GOGRODNIK	DATE 2009/01/21	molex MOLEX INCORPORATED		
				2 PLACES	± ---	± ---					
				1 PLACE	± ---	± ---					
				ANGULAR ± --- °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.
				SE DRAWING		E462XXXXXXXXXXXX		1 OF 4			
A	REV		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

	10	9	8	7	6	5	4	3	2	1					
F	E	4	6	2	X	X	X	X	X	X	X	X	X	X	F
E	E - Pakowanie bez workow W - Pakowanie pojedynczo Q - Szybkie pakowanie ILOSC PRZEWODOW/NUMBER OF WIRES: 1=2 PRZEWODY, 2=2 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=PRZECZYSTY/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/EARTH PIN LOCATION: 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. 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. RODZAJ POLACZENIA/INTERNAL CIRCUIT PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR: 1= 12V 2= 24V 3= 48V 4= 115V 5= 230V CZERWONA DIODA RED LED A= 12V B= 24V C= 48V D= 115V E= 230V ZIELONA DIODA GREEN LED G= 12V H= 24V K= 48V L= 115V M= 230V ZOLTA DIODA YELLOW LED														
D															
C															
B															
A															

ORIGINAL RELEASE
EC NO: WEU2009-0394
DRWN:MWOLSZCZAK 2009/05/26
CHKD:MDABROWSKA 2009/05/29
APPR:GOGRODNIK 2009/06/08

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ± ---°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MWOLSZCZAK 2009/01/21
CHECKED BY DATE
MDABROWSKA 2009/01/21
APPROVED BY DATE
GOGRODNIK 2009/01/21
MATERIAL NO.
SEE DRAWING

SCALE
1:1

DESIGN UNITS
METRIC

FIRST ANGLE PROJECTION

TITLE
MPM E462XXXXXXXXXXXX

DOCUMENT NO.
E462XXXXXXXXXXXX

SHEET NO.
2 OF 4

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tb_frame_A3_P_ME_F
Rev. E 2006/04/15

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F	E	4	6	2	X	X	X	X	X	X	X	X	X	X	F
E	E - Pakowanie bez workow W - Pakowanie pojedynczo Q - Szybkie pakowanie ILOSC PRZEWODOW/NUMBER OF WIRES: 1=2 PRZEWODY, 2=2 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=PRZECZYSTY/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/EARTH PIN LOCATION: 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. 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. RODZAJ POLACZENIA/INTERNAL CIRCUIT PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR: 1= 12V 2= 24V 3= 48V 4= 115V 5= 230V CZERWONA DIODA RED LED A= 12V B= 24V C= 48V D= 115V E= 230V ZIELONA DIODA GREEN LED G= 12V H= 24V K= 48V L= 115V M= 230V ZOLTA DIODA YELLOW LED														
D															
C															
B															
A															

ORIGINAL RELEASE
EC NO: WEU2009-0394
DRWN:MWOLSZCZAK 2009/05/26
CHKD:MDABROWSKA 2009/05/29
APPR:GOGRODNIK 2009/06/08

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ± ---°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MWOLSZCZAK 2009/01/21
CHECKED BY DATE
MDABROWSKA 2009/01/21
APPROVED BY DATE
GOGRODNIK 2009/01/21
MATERIAL NO.
SEE DRAWING

SCALE
1:1

DESIGN UNITS
METRIC

FIRST ANGLE PROJECTION

TITLE
MPM E462XXXXXXXXXXXX

DOCUMENT NO.
E462XXXXXXXXXXXX

SHEET NO.
2 OF 4

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ib_frame_A3_P_ME_F
Rev. E 2006/04/15

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F

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	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
-	A	2	3	20 AWG	PVC CSA/UL 2661	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Czamy/Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Czamy/Black	7+/-0,2 mm	OK.	-
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Czamy/Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Czamy/Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Czamy/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	Czamy/Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Czamy/Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Czamy/Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
-	P	2	3	0,5 mm2	PUR - BLEND	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Czamy/Black	-	-	-
-	P	2	5	0,5 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czamy/Black	7+/-0,2 mm	OK.	-
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czamy/Black	7,8+/-0,2 mm	OK.	-
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czamy/Black	7+/-0,2 mm	OK.	-
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czamy/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	Czamy/Black	6,2+ 0,2-0 mm	OK.	-
1210180069	N	3	3	0,75 mm2	PVCH05	Czamy/Black	6,6+0,2-0 mm	OK.	-
-	N	3	4	0,75 mm2	PVCH05	Czamy/Black	7,15+0,2-0 mm	OK.	-
1210180174	N	3	5	0,75 mm2	PVCH05	Czamy/Black	8,0+0,2-0 mm	OK.	-
-	P	3	2	0,75 mm2	PUR - BLEND	Czamy/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	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	-
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czamy/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	Czamy/Black	6,5+0,2-0 mm	OK.	-
1210180082	N	4	3	1 mm2	PVCH05	Czamy/Black	6,9+0,2-0 mm	OK.	-
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Czamy/Black	-	-	-
1210180085	N	5	3	1,5 mm2	PVCH05	Czamy/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	-	-	-

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TABELA 1 TYPY KABLI/TABLE 2 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.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.15 1 mm2 = 32 x 0.20
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 rezystancja 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

ORIGINAL RELEASE
EC NO: WEU2009-0394
DRWIN:MWOLSZCZAK 2009/05/26
CHYKD:MDABROWSKA 2009/05/29
APPR:GOGRODNIK 2009/06/08

DESCRIPTION
A

QUALITY SYMBOLS
▽=0
◻=0

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ± ---°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MWOLSZCZAK 2009/01/21
CHECKED BY DATE
MDABROWSKA 2009/01/21
APPROVED BY DATE
GOGRODNIK 2009/01/21
MATERIAL NO.
SEE DRAWING
SIZE
A3

SCALE

DESIGN UNITS
METRIC
FIRST ANGLE
PROJECTION
TITLE
MPM E462XXXXXXXXXXXX
MOLEX INCORPORATED
DOCUMENT NO.
E462XXXXXXXXXXXX
SHEET NO.
3 OF 4

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Rev. E 2006/04/15

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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	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
-	A	2	3	20 AWG	PVC CSA/UL 2661	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Czamy/Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Czamy/Black	7+/-0,2 mm	OK.	-
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Czamy/Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Czamy/Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Czamy/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	Czamy/Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Czamy/Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Czamy/Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
-	P	2	3	0,5 mm2	PUR - BLEND	Czamy/Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Czamy/Black	-	-	-
-	P	2	5	0,5 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czamy/Black	7+/-0,2 mm	OK.	-
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czamy/Black	7,8+/-0,2 mm	OK.	-
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czamy/Black	7+/-0,2 mm	OK.	-
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czamy/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	Czamy/Black	6,2+ 0,2-0 mm	OK.	-
1210180069	N	3	3	0,75 mm2	PVCH05	Czamy/Black	6,6+0,2-0 mm	OK.	-
-	N	3	4	0,75 mm2	PVCH05	Czamy/Black	7,15+0,2-0 mm	OK.	-
1210180174	N	3	5	0,75 mm2	PVCH05	Czamy/Black	8,0+0,2-0 mm	OK.	-
-	P	3	2	0,75 mm2	PUR - BLEND	Czamy/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	Czamy/Black	6,5+/-0,2 mm	OK.	-
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	-
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czamy/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	Czamy/Black	6,5+0,2-0 mm	OK.	-
1210180082	N	4	3	1 mm2	PVCH05	Czamy/Black	6,9+0,2-0 mm	OK.	-
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Czamy/Black	-	-	-
1210180085	N	5	3	1,5 mm2	PVCH05	Czamy/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	-	-	-

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TABELA 1 TYPY KABLI/TABLE 2 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.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.15 1 mm2 = 32 x 0.20
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 rezystancja 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

ORIGINAL RELEASE
EC NO: WEU2009-0394
DRWIN:MWOLSZCZAK 2009/05/26
CHYKD:MDABROWSKA 2009/05/29
APPR:GOGRODNIK 2009/06/08

DESCRIPTION
A

QUALITY SYMBOLS
▽=0
◻=0

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± ---
1 PLACE ± --- ± ---
ANGULAR ± ---°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
MWOLSZCZAK 2009/01/21
CHECKED BY DATE
MDABROWSKA 2009/01/21
APPROVED BY DATE
GOGRODNIK 2009/01/21
MATERIAL NO.
SEE DRAWING
SIZE
A3

SCALE

DESIGN UNITS
METRIC
FIRST ANGLE
PROJECTION
TITLE
MPM E462XXXXXXXXXXXX
MOLEX INCORPORATED
DOCUMENT NO.
E462XXXXXXXXXXXX
SHEET NO.
3 OF 4

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Rev. E 2006/04/15

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TABELA 3/CHART 3

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MOLEX P/N	WOODHEAD P/N	MOLEX P/N	WOODHEAD P/N	MOLEX P/N	WOODHEAD P/N	MOLEX P/N	WOODHEAD P/N	MOLEX PN	WOODHEAD PN	MOLEX PN	WOODHEAD PN
1210400555	E462N3N30022000	1210501105	E462N3N10022C4L	1210501661	E462I2N10061C4H	1210502424	E462I4N15021C4H	1210502883	W462A3A10K2RS0H	1210501039	E462I4N30021C4L
1210400556	E462N3N30062000	1210501108	E462N3N10061C4H	1210501662	E462I2N10K61C4H	1210502425	E462P2N30021A12	1210502895	W462F4N10K6RC4H	1210501046	E462I4N30061SOH
1210400558	E462N3N50062000	1210501110	E462N3N10062C4L	1210501710	E462A3A30021C44	1210502426	E462P2N30021A1M	1210580059	W462I2N10K61S0H	1210501063	E462I4N50061S0H
1210400565	E462P3N50062000	1210501116	E462N3N10K21S02	1210501715	E462N2N30021C42	1210502450	E462A3A10021C42	1210580019	W462I2N50061C4H	1210502990	E462N2N10021A15
1210401020	E462N3N20022000	1210501119	E462N3N10K61C42	1210501771	E462N3N15021A12	1210502470	E462N3N50062S0H	1210502963	W462N3N10022C42	1210502995	E462N2N20021C4B
1210500954	E462A3A30022C4L	1210501125	E462N3N15021C42	1210501782	E462N2N20061C4H	1210502503	E462I4N70021A12	1210502889	W462N3N2002RC4B	1210503003	E462N2N30061C42
1210500956	E462A3A30062C4L	1210501140	E462N3N20021C42	1210501789	E462B3A50062C4H	1210502504	E462A2A50021S0H	1210502906	W462N3N2006RC4B	1210503004	E462N2N50061C42
1210500974	E462I0N30021A12	1210501143	E462N3N20021C4B	1210501793	E462N2N30062C32	1210502528	E462I4N80061C4H	1210502756	W462N3N30021C42	1210501134	E462N3N15062C4L
1210500979	E462I2N10021C4H	1210501147	E462N3N20021C4H	1210501798	E462N3N71021C4H	1210502532	E462I4N50021C3H	1210580057	W462N3N30022C44	1210501155	E462N3N20061C44
1210500985	E462I2N20021C4H	1210501163	E462N3N25021C4H	1210501834	E462P2N30022S02	1210502534	E462N3N15021C45	1210502939	W462N3N30022C45	1210501161	E462N3N20062C42
1210500988	E462I2N25021C4H	1210501164	E462N3N25061C42	1210501855	E462B3A30062C4H	1210502536	E462N4N10K21C42	1210580018	W462N3N3006RC4D	1210501186	E462N3N30022C4L
1210500989	E462I2N30021C32	1210501170	E462N3N30021C42	1210501904	E462I2N30022C42	1210502538	E462N2N70022C42	1210502952	W462N3N5002RC3B	1210501810	E462N3N30061C4M
1210500990	E462I2N30021C3H	1210501175	E462N3N30021C4H	1210501912	E462P3N30021C4H	1210502538	E462N2N70022C42	1210502896	W462N3N5002RC4B	1210501203	E462N3N30062C4L
1210500991	E462I2N30021C42	1210501176	E462N3N30021S02	1210501939	E462I2N50061C42	1210502550	E462N2N30021A1H	1210502900	W462N3N5002RC4E	1210502981	E462N3N40061C4H
1210500992	E462I2N30021C4H	1210501181	E462N3N30022C4B	1210501979	E462B3A10022C4L	1210502569	E462N3N50021C45	1210502902	W462N3N5006RC4B	1210501212	E462N3N50021A12
1210500993	E462I2N30022C4H	1210501183	E462N3N30022C4D	1210501986	E462N3N30021C3H	1210502582	E462B2A30022C4L	1210502754	W462N2N2002RC4B	1210501228	E462N3N50022C4H
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ORIGINAL RELEASE
EC NO: WEU2009-0394
DRWN: MWOLSZCAK 2009/05/26
CHKD: MDABROWSKA 2009/05/29
APPR: GOGRODNIK 2009/06/08

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0
◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ±---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
DATE	
CHECKED BY	DATE
DATE	
APPROVED BY	DATE
DATE	
MATERIAL NO.	

SEE DRAWING

SIZE	A3
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SCALE

DESIGN UNITS
METRIC

FIRST ANGLE
PROJECTION

MPM E462XXXXXXXXXXXX

MOLEX INCORPORATED

DOCUMENT NO. E462XXXXXXXXXXXX

SHEET NO. 4 OF 4

F

TABELA 3/CHART 3

E

D

C

B

A

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DESCRIPTION
A

REV

QUALITY SYMBOLS
▽=0
◻=0

DRAFT WHERE APPLICABLE
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WITHIN DIMENSIONS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

ANGULAR ±---°

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
MWOLSZCAK	2009/01/21
CHECKED BY	DATE
MDABROWSKA	2009/01/21
APPROVED BY	DATE
GOGRODNIK	2009/01/21
MATERIAL NO.	

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SCALE

DESIGN UNITS
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FIRST ANGLE
PROJECTION

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