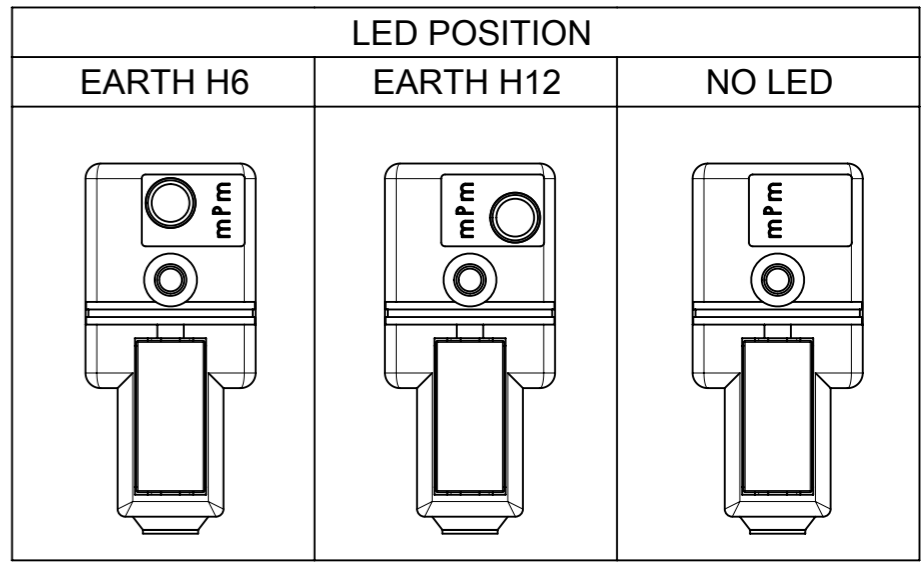
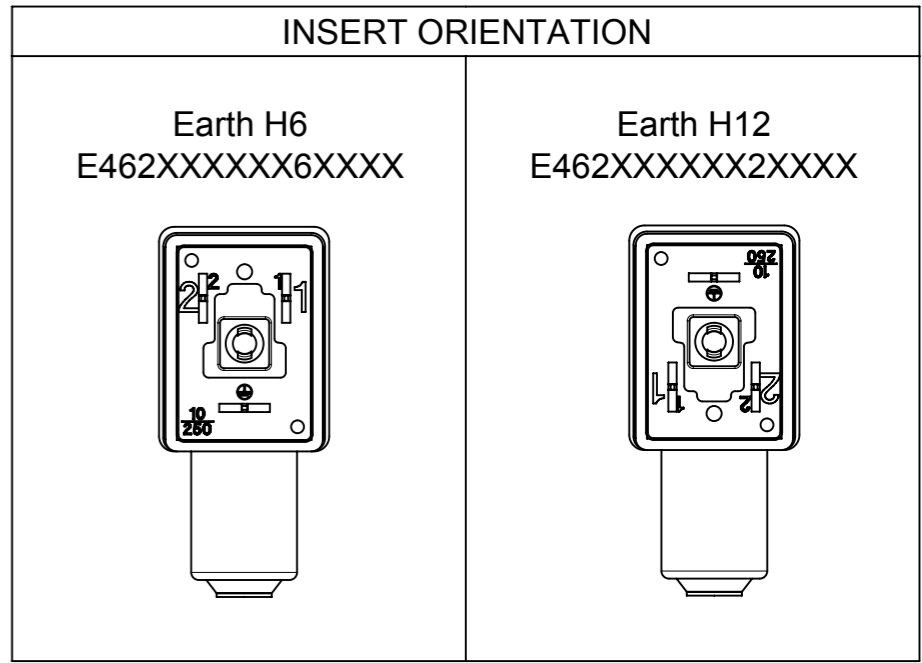
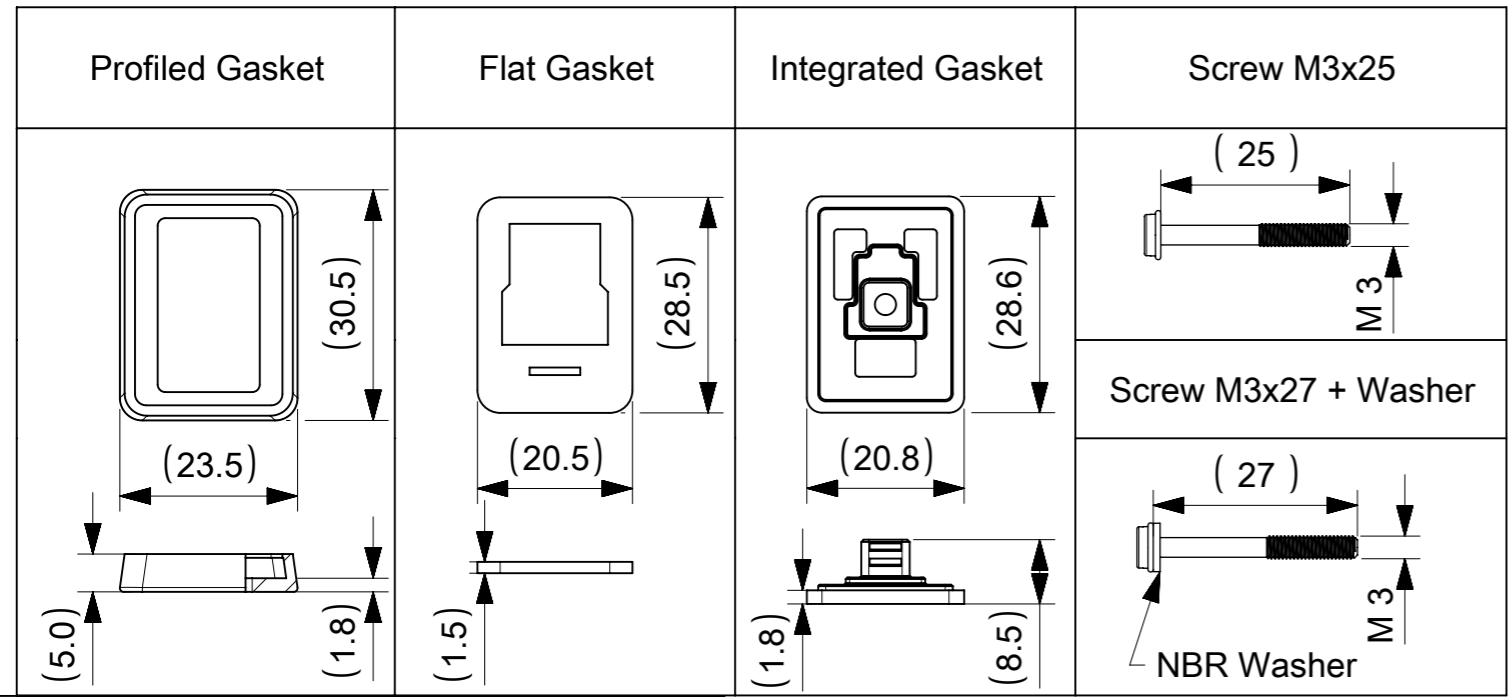


TABLE OF LENGTH TOLERANCES [mm]

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



Type of Screws and Gaskets



SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	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		CURRENT REV DESC:			
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °		EC NO: 603741 DRWN: APAWLAK01 2018/07/16 CHK'D: RSILLER 2018/08/31 APPR: RSILLER 2018/08/31					
	4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.1 0 PLACES ±		INITIAL REVISION: DRWN: APAWLAK01 2018/07/16 APPR: RSILLER 2018/08/31		STANDARD E462 DIN FORM INDUSTRIAL			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: A3-SIZE SERIES: 121050		PRODUCT CUSTOMER DRAWING	
DOCUMENT STATUS: P1 RELEASE DATE: 2018/08/31 12:24:52		MATERIAL NUMBER: SEE 1210501000_PDP CUSTOMER: GENERAL MARKET		DOCUMENT NUMBER: 1210501000 DOC TYPE: PSD DOC PART: 000 REVISION: A		SHEET NUMBER: 1 OF 3		

PN KEY ENGINEERING PN

E 4 6 2 X 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

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

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

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.	-

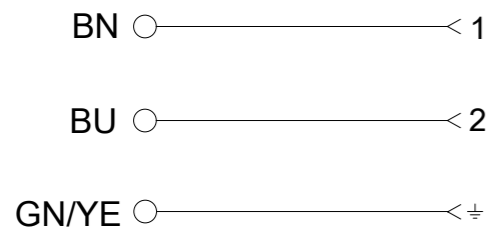
Notes:

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

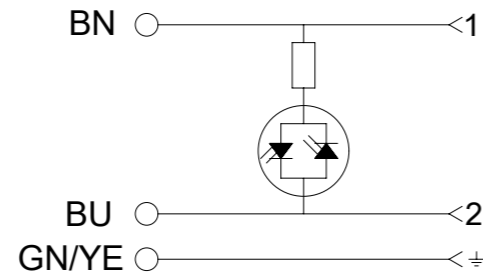
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	mm	SCALE 1:1			
	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	ANGULAR TOL ± °				
▽ = 0	4 PLACES ±	EC NO: 603741	2018/07/16	STANDARD E462 DIN FORM INDUSTRIAL	
▽ = 0	3 PLACES ±	DRWN: APAWLAK01	2018/08/31		
▽ = 0	2 PLACES ± 0.05	CHK'D: RSILLER	2018/08/31		
▽ = 0	1 PLACE ± 0.1	APPR: RSILLER	2018/08/31	PRODUCT CUSTOMER DRAWING	
□ = 0	0 PLACES ±	INITIAL REVISION:		DOCUMENT NUMBER	
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▽ = 0		APPR: RSILLER	2018/08/31	PSD 000 A	
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
A3-SIZE		121050	SEE 1210501000_PDP	GENERAL MARKET	SHEET NUMBER 2 OF 3

WIRING DIAGRAMS

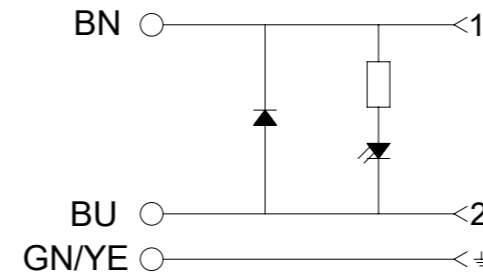
ELECTRICAL DIAGRAM 00



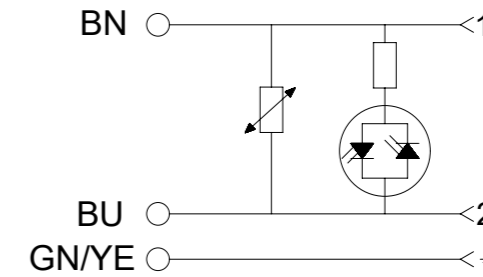
ELECTRICAL DIAGRAM A1



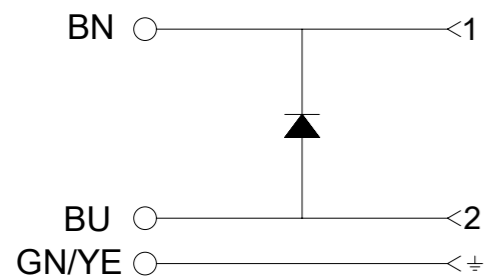
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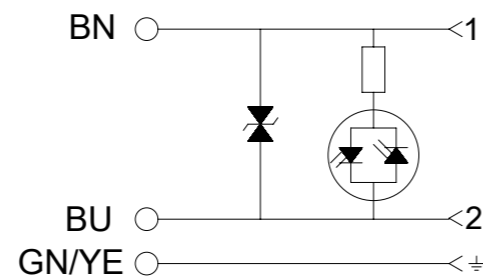
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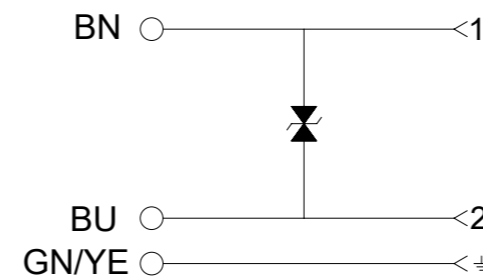
ELECTRICAL DIAGRAM E0



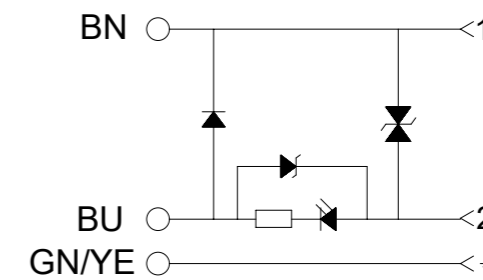
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1



ELECTRICAL DIAGRAM NS



Technical Spec:

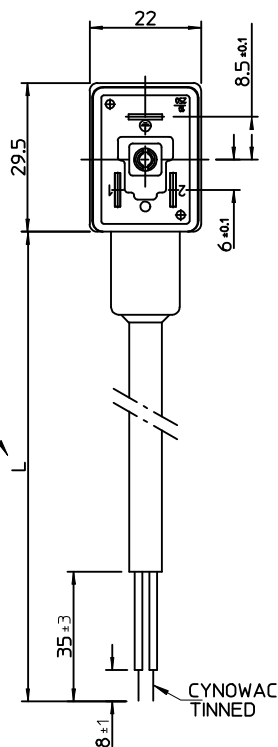
Supply Voltage: See PN KEY

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		CURRENT REV DESC:		molex	
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▽ = 0	ANGULAR TOL ± °		CHK'D: RSILLER		2018/08/31	DOCUMENT NUMBER	
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▽ = 0	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES		A
▽ = 0	THIRD ANGLE PROJECTION		DRAWING		A3-SIZE	REVISION	
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PATRZ UWAGA 1
SEE NOTE 1

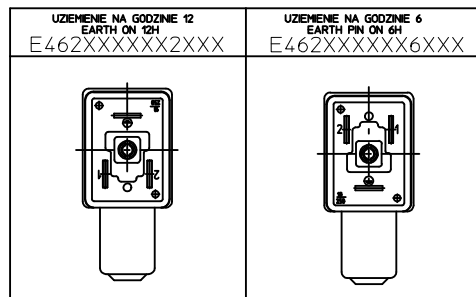
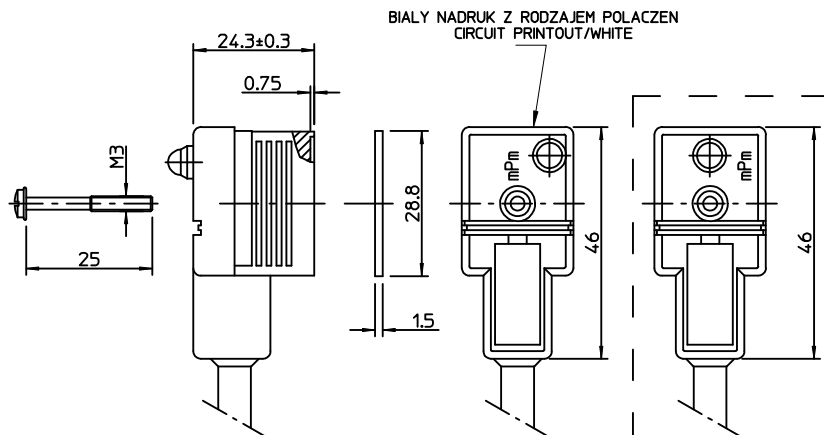
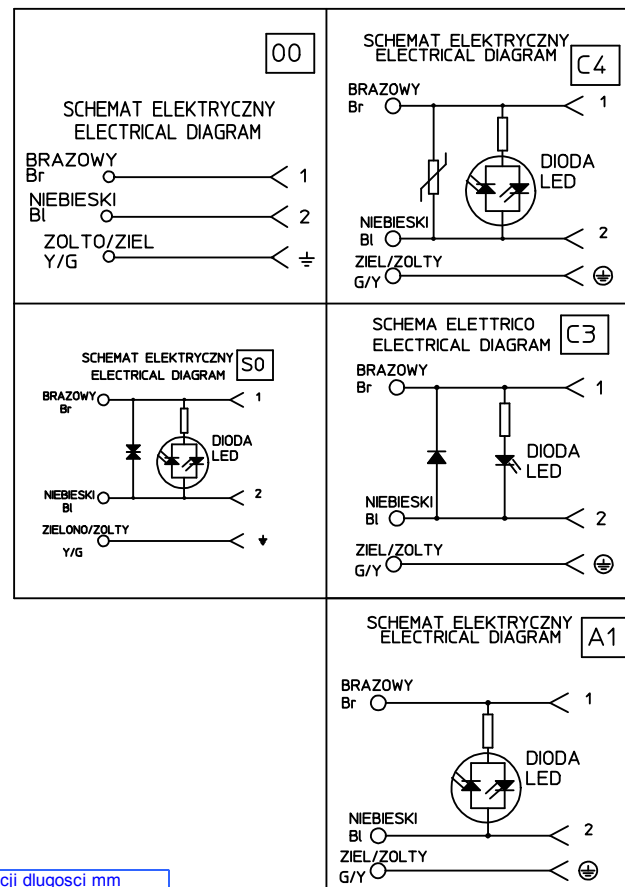


Table of length tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja +/-
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
	>20000	L/100



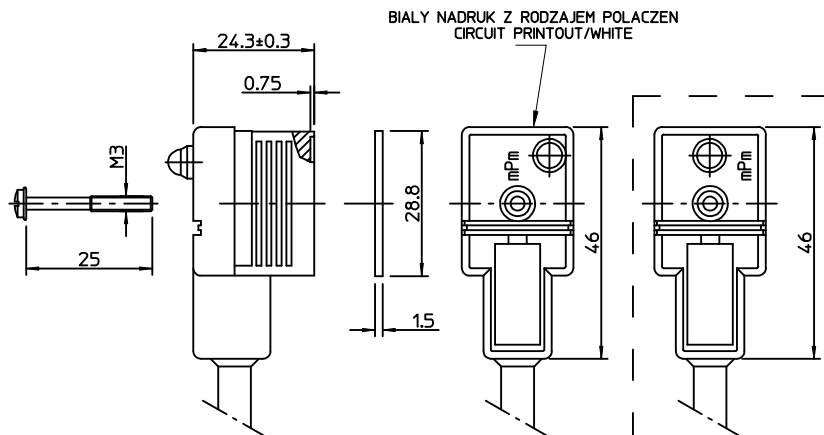
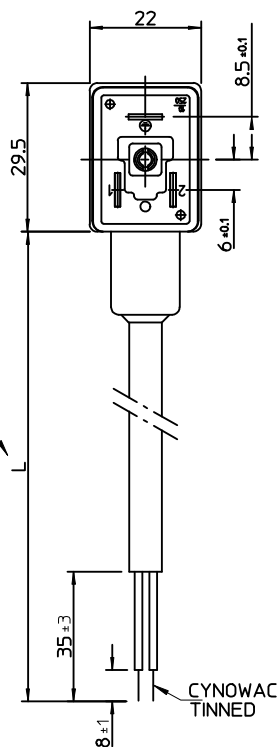
UWAGI:

1. DLUGOSC PATRZ ARKUSZ 2.

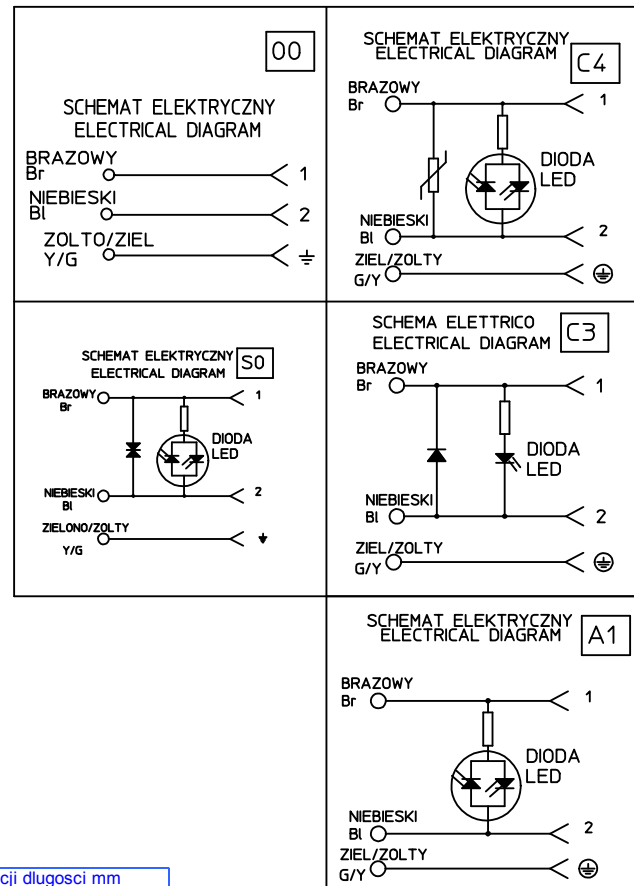
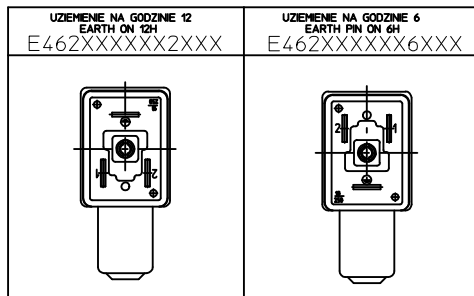
NOTES:

1. LENGTH SEE SHEET 2.

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



Widok dla H12 Widok dla H6



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

PATRZ UWAGA 1
SEE NOTE 1

UWAGI:

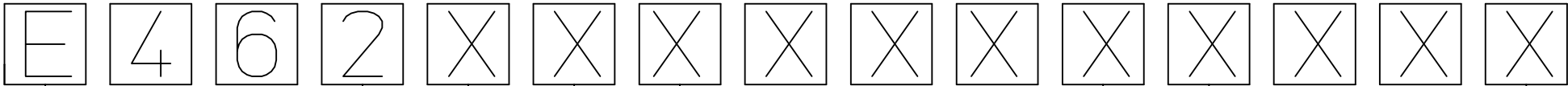
1. DŁUGOSC PATRZ ARKUSZ 2.

NOTES:

1. LENGTH SEE SHEET 2.

ORIGINAL RELEASE EC NO: WEU2009-0394 DRWIN: MWOLSZCZAK 2009/05/26 CHYKD: MDABROWSKA 2009/05/29 APPR: GOGRODNIK 2009/06/08	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION		
			mm	INCH	DRAWN BY MWOLSZCZAK	DATE 2009/01/21	TITLE MPM E462XXXXXXXXXXXX			
		4 PLACES	± ---	± ---	CHECKED BY MDABROWSKA	DATE 2009/01/21	MOLEX INCORPORATED			
		3 PLACES	± ---	± ---	APPROVED BY GOGRODNIK	DATE 2009/01/21				
	ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SE DRAWING	DOCUMENT NO. E462XXXXXXXXXXXX	SHEET NO. 1 OF 4			
A	REV	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



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=PRZEZROCZYSTY/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=SILIKONOWY 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.

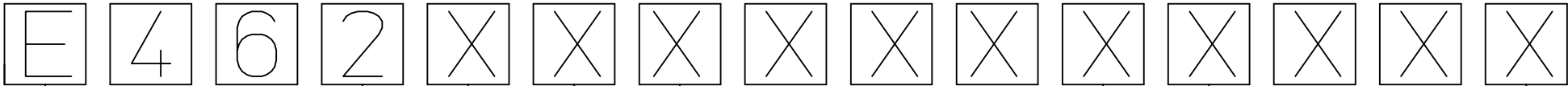
RODZAJ POLACZENIA/INTERNAL CIRCUIT
 PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION

NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR:
 1= 12V } CZERWONA DIODA } ZIELONA DIODA } ZOLTA DIODA }
 2= 24V } B= 24V } C= 48V } H= 24V }
 3= 48V } C= 48V } D= 115V } K= 48V }
 4= 115V } RED LED } GREEN LED } L= 115V }
 5= 230V } E= 230V } M= 230V } YELLOW LED }

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 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
			mm INCH	DRAWN BY DATE	TITLE		
			4 PLACES ± --- ± ---	MWOLSZCZAK 2009/01/21	MPM E462XXXXXXXXXXXX		
			3 PLACES ± --- ± ---	CHECKED BY DATE			
	2 PLACES ± --- ± ---	MDABROWSKA 2009/01/21					
	1 PLACE ± --- ± ---	APPROVED BY DATE					
	ANGULAR ± ---°	GOGRODNIK 2009/01/21	MOLEX INCORPORATED				
		MATERIAL NO.	DOCUMENT NO.		SHEET NO.		
		SEE DRAWING	E462XXXXXXXXXXXX		2 OF 4		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1



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=PRZEZROCZYSTY/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=SILIKONOWY 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 } CZERWONA DIODA } ZIELONA DIODA } ZOLTA DIODA }
 2= 24V } B= 24V } C= 48V } H= 24V } K= 48V }
 3= 48V } C= 48V } D= 115V } L= 115V } L= 115V }
 4= 115V } RED LED } GREEN LED } YELLOW LED }
 5= 230V } E= 230V } M= 230V } M= 230V }

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	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION		
		▼=0 ◻=0	mm	INCH	DRAWN BY MWOLSZCZAK	DATE 2009/01/21	TITLE MPM E462XXXXXXXXXXXX				
			4 PLACES ± ---	± ---	CHECKED BY MDABROWSKA	DATE 2009/01/21	MOLEX INCORPORATED				
			3 PLACES ± ---	± ---	APPROVED BY GOGRODNIK	DATE 2009/01/21					
	2 PLACES ± ---	± ---	MATERIAL NO. SEE DRAWING		DOCUMENT NO. E462XXXXXXXXXXXX		SHEET NO. 2 OF 4				
	1 PLACE ± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

9 8 7 6 5 4 3 2 1

TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEWE	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.	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.	OK.
1210180122	D	2	3	0,5 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
-	F	2	3	0,5 mm2	GNOMO	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.	OK.
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7+/-0,2 mm	OK.	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.	OK.
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czamy/Black	6,5+/-0,2 mm	OK.	OK.
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czamy/Black	7+/-0,2 mm	OK.	OK.
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czamy/Black	7,8+/-0,2 mm	OK.	OK.
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czamy/Black	7+/-0,2 mm	OK.	OK.
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czamy/Black	7,8+/-0,2 mm	OK.	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.	OK.
1210180069	N	3	3	0,75 mm2	PVCH05	Czamy/Black	6,6+0,2-0 mm	OK.	OK.
-	N	3	4	0,75 mm2	PVCH05	Czamy/Black	7,15+0,2-0 mm	OK.	OK.
1210180174	N	3	5	0,75 mm2	PVCH05	Czamy/Black	8,0+0,2-0 mm	OK.	OK.
-	P	3	2	0,75 mm2	PUR - BLEND	Czamy/Black	6,5+/-0,2 mm	OK.	OK.

TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEWE	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.	OK.
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	OK.
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czamy/Black	6,5+/-0,2 mm	OK.	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	GNOMO	Szary/Grey RAL7000	-	-	-
-	F	4	4	1 mm2	GNOMO	Szary/Grey RAL7000	7,1+0,2-0 mm	OK.	OK.
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180036	N	4	2	1 mm2	PVCH05	Czamy/Black	6,5+0,2-0 mm	OK.	OK.
1210180082	N	4	3	1 mm2	PVCH05	Czamy/Black	6,9+0,2-0 mm	OK.	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.	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 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 przez 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	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION	
		mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---		DRAWN BY DATE MWOLSZCZAK 2009/01/21		TITLE MPM E462XXXXXXXXXXXX			
		ANGULAR ± ---°		CHECKED BY DATE MDABROWSKA 2009/01/21		APPROVED BY DATE GOGRODNIK 2009/01/21			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE DRAWING		MOLEX INCORPORATED		DOCUMENT NO. E462XXXXXXXXXXXX	

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.	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.	OK.
1210180122	D	2	3	0,5 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
-	F	2	3	0,5 mm2	GNOMO	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.	OK.
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7+/-0,2 mm	OK.	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.	OK.
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czamy/Black	6,5+/-0,2 mm	OK.	OK.
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czamy/Black	7+/-0,2 mm	OK.	OK.
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czamy/Black	7,8+/-0,2 mm	OK.	OK.
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czamy/Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czamy/Black	7+/-0,2 mm	OK.	OK.
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czamy/Black	7,8+/-0,2 mm	OK.	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.	OK.
1210180069	N	3	3	0,75 mm2	PVCH05	Czamy/Black	6,6+0,2-0 mm	OK.	OK.
-	N	3	4	0,75 mm2	PVCH05	Czamy/Black	7,15+0,2-0 mm	OK.	OK.
1210180174	N	3	5	0,75 mm2	PVCH05	Czamy/Black	8,0+0,2-0 mm	OK.	OK.
-	P	3	2	0,75 mm2	PUR - BLEND	Czamy/Black	6,5+/-0,2 mm	OK.	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.	OK.
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	OK.
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czamy/Black	6,5+/-0,2 mm	OK.	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	GNOMO	Szary/Grey RAL7000	-	-	-
-	F	4	4	1 mm2	GNOMO	Szary/Grey RAL7000	7,1+0,2-0 mm	OK.	OK.
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180036	N	4	2	1 mm2	PVCH05	Czamy/Black	6,5+0,2-0 mm	OK.	OK.
1210180082	N	4	3	1 mm2	PVCH05	Czamy/Black	6,9+0,2-0 mm	OK.	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.	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 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 przez 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	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION			
		mm	INCH	DRAWN BY	DATE	TITLE					
		4 PLACES	± ---	± ---	MWOLSZCZAK	2009/01/21	MPM E462XXXXXXXXXXXX				
		3 PLACES	± ---	± ---	CHECKED BY	DATE					
		2 PLACES	± ---	± ---	MDABROWSKA	2009/01/21					
		1 PLACE	± ---	± ---	APPROVED BY	DATE					
		ANGULAR ± ---°		GOGRODNIK	2009/01/21	 MOLEX INCORPORATED					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
				SEE DRAWING		E462XXXXXXXXXXXX		3 OF 4			
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

TABELA 3/CHART 3

Table with 10 columns (MOLEX P/N, WOODHEAD P/N) and multiple rows of part numbers for various sizes and types.

Technical drawing header containing: ORIGINAL RELEASE, QUALITY SYMBOLS, GENERAL TOLERANCES, DIMENSION STYLE (MM ONLY), SCALE, DESIGN UNITS (METRIC), FIRST ANGLE PROJECTION, DRAWN BY, DATE, TITLE (MPM E462XXXXXXXXXX), CHECKED BY, DATE, APPROVED BY, DATE, MATERIAL NO., DOCUMENT NO., SHEET NO. (4 OF 4), DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS, SEE DRAWING, and a disclaimer: THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.