

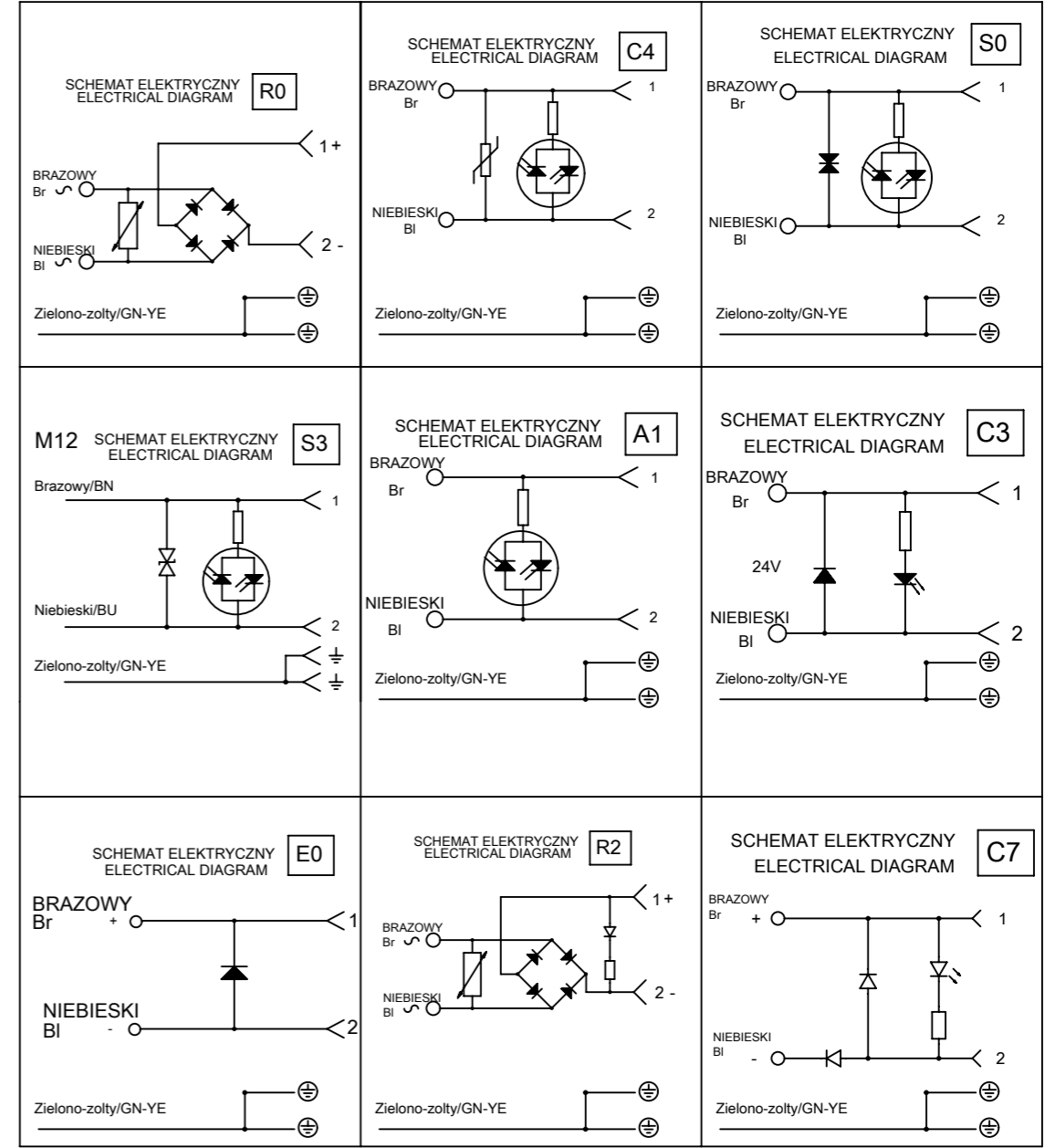
Table of length tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

UWAGI:
1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:
1. LENGHT SEE SHEET 2.

SCHEMATY POLACZEN/WIRING CONFIGURATION

UWAGA: Uziemienie na schematach tylko dla numerow E392XXXXXXXXXXXX lub E396XXXXXXXXXXXX.
NOTE: GROUND SHOWN ON WIRING CONFIGURATIONS FOR E392XXXXXXXXXXXX OR E396XXXXXXXXXXXX ONLY.



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: OBSOLETE PART NUMBER		molex	
MATERIAL NUMBER		CUSTOMER			
DOCUMENT NUMBER		DOC TYPE		DOC PART	
E39XXXXXXXXXXXX		PSD		001	
REVISION		DATE		REVISION	
2009/01/22		2009/01/22		B	
SERIES		MATERIAL NUMBER		SHEET NUMBER	
A3-SIZE		121050		1 OF 4	

E 3 9 X X X X X X X X X X X X X

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

ILOSC PRZEWODOW/NUMBER OF WIRES:
 1=2 PRZEWODY,
 2 lub 6=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=PRZEZROCZYSTY/TRANSPARENT;
 A=CZARNY/BLACK;
 B=SZARY/GREY.

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

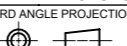
POLOZENIE PINU Z UZIEMIENIEM/EARTH PIN LOCATION:
 1=PODWOJNE UZIEMIENIE NA GODZINIE 6 ORAZ 12/DOUBLE EARTH ON 6H AND 12H,
 2=UZIEMIENIE NA GODZINIE 12/1EARTH ON 12H,
 6=UZIEMIENIE NA GODZINIE 6/EARTH ON 6H.

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=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	} CZERWONA DIODA RED LED	A= 12V	} ZIELONA DIODA GREEN LED	G= 12V	} ZOLTA DIODA YELLOW LED
2= 24V		B= 24V		H= 24V	
3= 48V		C= 48V		K= 48V	
4= 115V		D= 115V		L= 115V	
5= 230V		E= 230V		M= 230V	

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER						molex	
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 641324		DRWN: AKUMAR19		2020/06/29		MPM E39XXXXXXXXXXXX	
		MM		INCH		CHK'D: GGA		2020/08/27		PRODUCT CUSTOMER DRAWING	
4 PLACES		±		±		APPR: GGA		2020/08/27			
3 PLACES		±		±		INITIAL REVISION:					
2 PLACES		±		±		DRWN: MLEVYTSKYY		2009/01/22		DOCUMENT NUMBER	
1 PLACE		±		±		APPR: MWOLSZCZAK		2009/01/22		E39XXXXXXXXXXXX	
0 PLACES		±		±		ANGULAR TOL		± °		DOC TYPE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
				A3-SIZE		121050		SEE TABLE		GENERAL MARKET	
										SHEET NUMBER	
										2 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/27	08:37:23
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TABELA 2 KABLE/TABLE 2 CABLES

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.	

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.	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

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SCALE: mm NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±

ANGULAR TOL ± °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 121050

MATERIAL NUMBER: SEE TABLE

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 3 OF 4

EC NO: 641324
DRWN: AKUMAR19 2020/06/29
CHK'D: GGA 2020/08/27
APPR: GGA 2020/08/27

INITIAL REVISION:
DRWN: MLEVYTSKY 2009/01/22
APPR: MWOLSZCZAK 2009/01/22

DOCUMENT NUMBER: E39XXXXXXXXXXXX

DOC TYPE: PSD | DOC PART: 001 | REVISION: B



molex

MPM E39XXXXXXXXXXXX

PRODUCT CUSTOMER DRAWING

TABELA 3/CHART 3

Molex PN	Woodhead PN	Molex PN	Woodhead PN	Molex PN	Woodhead PN
1210502657	E391A2A10011E05	1210502663	E392N2N06011C4H	1210500225	E392N2N50021C4B
1210502315	E391IAN03011C4H	1210500076	E392N2N10011C4H	1210500226	E392N2N50021C4D
1210502342	E392A2A06011C4H	1210500083	E392N2N10012C4L	1210500229	E392N2N50061C4B
1210502268	E392A2A20011S0H	1210502269	E392N2N10K11C4H	1210501987	E392P2N11011C4H
1210500022	E392A2A30011C4H	1210500102	E392N2N10K21C4B	1210500238	E392P2N30011C4H
1210502610	E392A2A50011S0H	1210500104	E392N2N10K61C4B	1210502573	E396N2N10011C4H
1210502645	E392B2A10K11C4H	1210500126	E392N2N20011A1H	1210502674	E392I2N20012S12
1210501803	E392B2A50011C4H	1210500129	E392N2N20011C42	1210502655	E392N2N30011A1H
1210501660	E392I2N10011C4H	1210500139	E392N2N20014C43	1210502693	W392N2N20011C4D
1210500033	E392I2N10012A1H	1210502197	E392N2N2001TA1H	1210502928	W392A2A10K11S0H
1210502257	E392I2N10012C4H	1210500150	E392N2N20021C4B	1210502766	W392N2N20011C4B
1210500034	E392I2N10K11C4H	1210500151	E392N2N20021C4D	1210502961	W392N2N20012C42
1210501697	E392I2N20011C32	1210500157	E392N2N20061C4B	1210502761	W392N2N50011C4B
1210502630	E392I2N20011S12	1210502556	E392N2N20K11C4H	1210502802	W392N2N50011C4E
1210500043	E392I2N25011C4H	1210500170	E392N2N30011A12	1210502768	W392P2N20011C4B
1210500046	E392I2N30011C42	1210500173	E392N2N30011C42	1210502805	W392P2N50011C4B
1210500047	E392I2N30011C4H	1210500177	E392N2N30011C4H	1210502796	W392N2N20011C4E
1210500050	E392I2N36011C4H	1210502422	E392N2N30011C4L	1210502761	W392N2N50011C4B
1210500051	E392I2N50011C3H	1210500180	E392N2N30012C43	1210502978	E391N2N15011A12
1210502563	E392I2N50011C44	1210500181	E392N2N30012C4B	1210500023	E392A2A30011C4L
1210500053	E392I2N50011C4H	1210502085	E392N2N3001AC3H	1210501686	E392B2A11011C4H
1210500062	E392N2N05012E05	1210500187	E392N2N3001AC4H	1210500206	E392N2N50011C42
1210500135	E392N2N20011C4H	1210500202	E392N2N50011A12		
		1210500215	E392N2N50012C42		
		1210500220	E392N2N5001AC44		
		1210500184	E392N2N30012C4H		

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER					
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 641324		2020/06/29		PRODUCT CUSTOMER DRAWING	
				DRWN: AKUMAR19		2020/08/27			
				CHK'D: GGA		2020/08/27		DOCUMENT NUMBER E39XXXXXXXXXXXX	
				APPR: GGA		2020/08/27			
				INITIAL REVISION:		2009/01/22		DOC TYPE PSD	
				DRWN: MLEVYTSKYY		2009/01/22			
				APPR: MWOLSZCZAK		2009/01/22		DOC PART 001	
				ANGULAR TOL					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		REVISION B	
						A3-SIZE			
				SERIES		MATERIAL NUMBER		CUSTOMER GENERAL MARKET	
				121050		SEE TABLE			
								SHEET NUMBER 4 OF 4	