

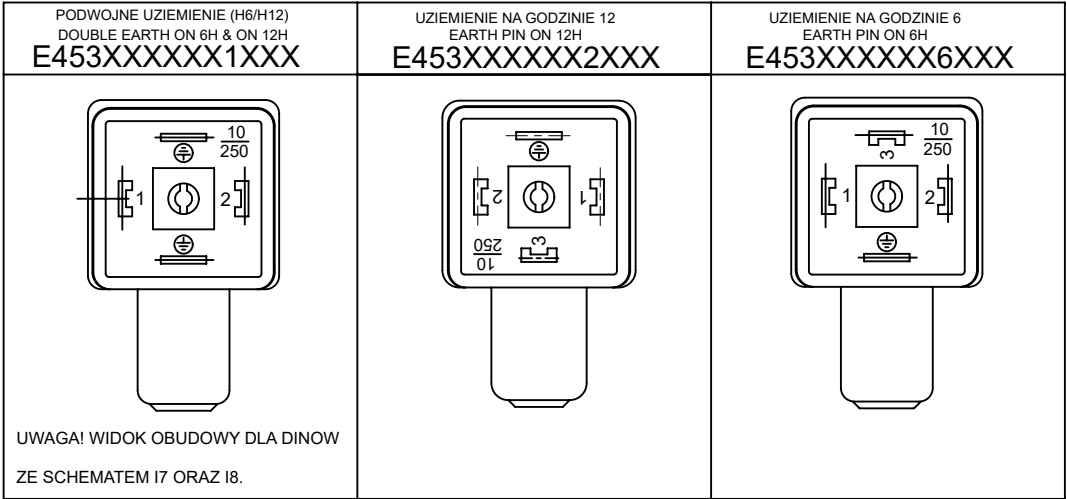
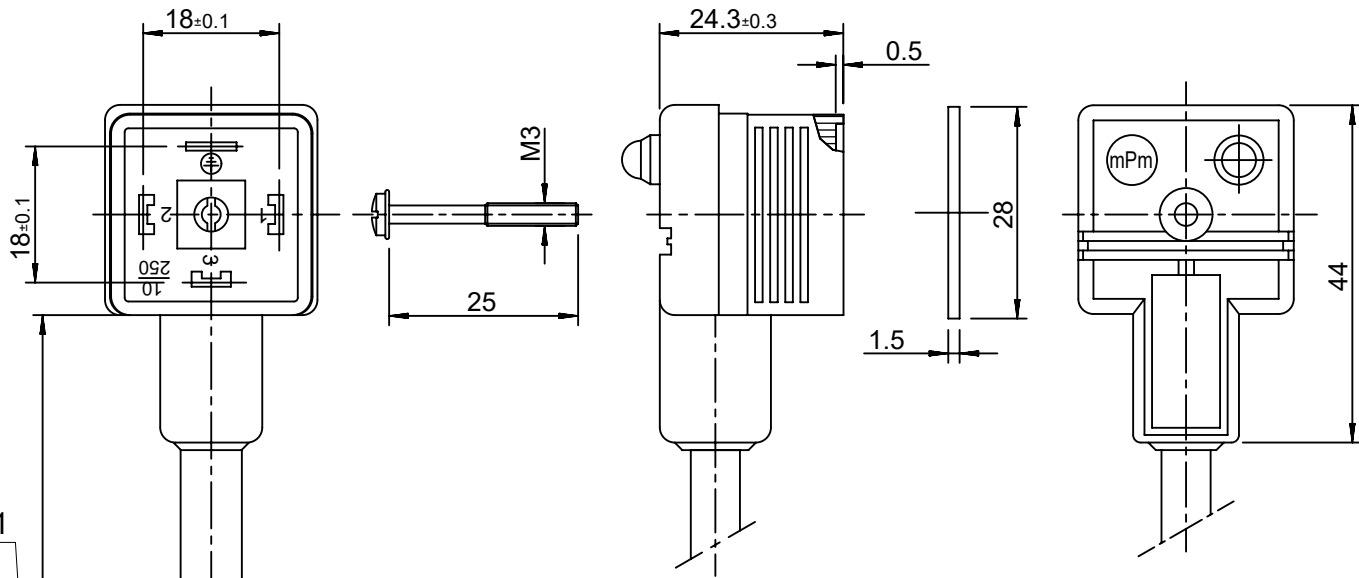


Table of length tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

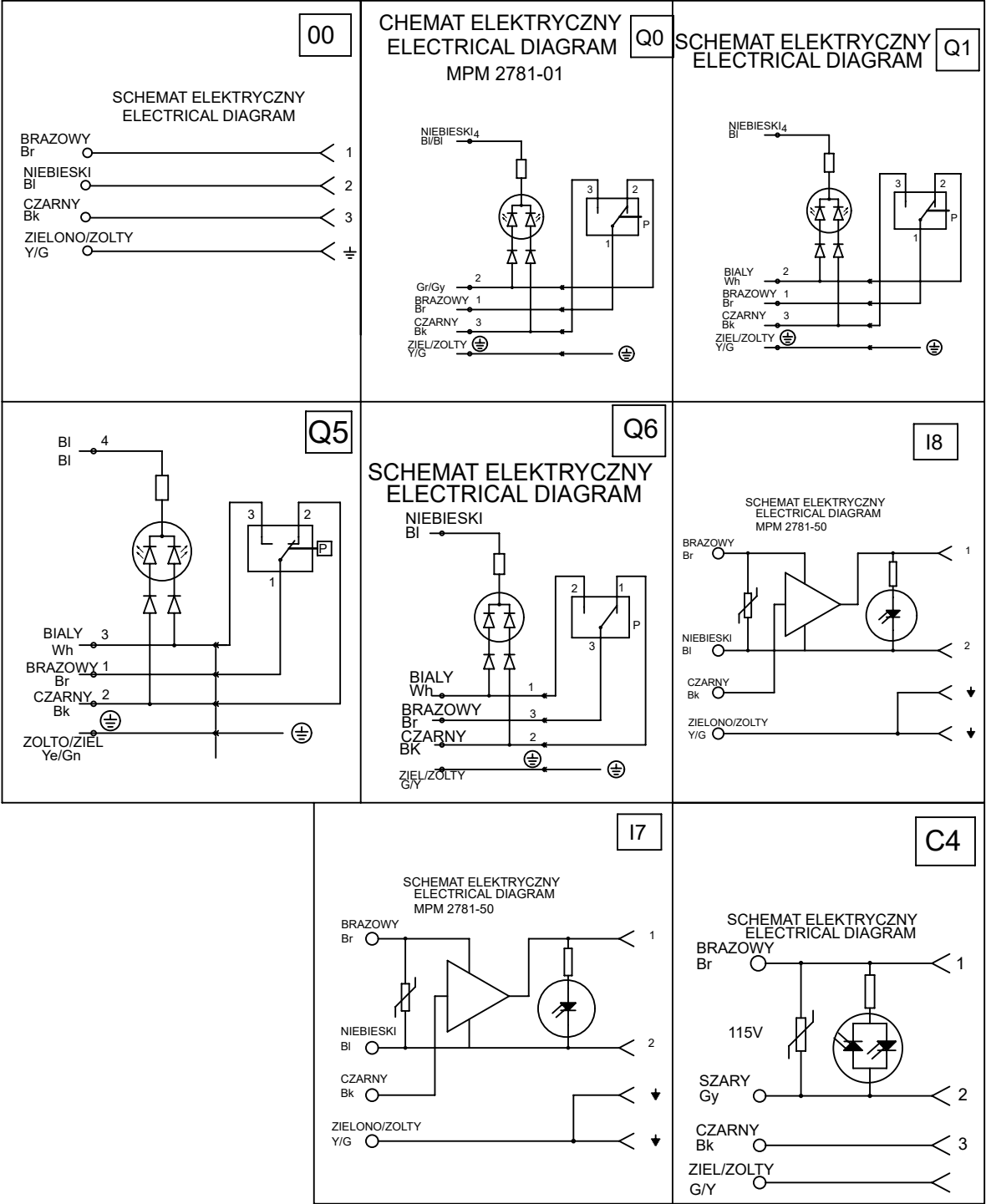
UWAGI:

1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:

1. LENGHT SEE SHEET 2.

SCHEMATY POLACZEN/WIRING CONFIGURATION



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DIMENSION UNITS	SCALE
mm	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: REMOVED OBSOLETE PART NUMBER AS PER PCN#510806.

EC NO: 733771
DRWN: LIKITV
CHK'D: GGA
APPR: GGA

2023/01/10
2023/02/24
2023/02/24

INITIAL REVISION:
DRWN: MWOLSZCZAK
APPR: GOGRODNIK

2009/01/20
2009/01/20

FIRST ANGLE PROJECTION
DRAWING
SERIES

A3-SIZE
121040

molex

MPM E453XXXXXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
E453XXXXXXXXXXXX

DOC TYPE
PSD

DOC PART
001

REVISION
B2

MATERIAL NUMBER
SEE TABLE

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 4

[illegible]

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	PRZEŹW	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 type	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 mm ² = 15 x 0.20 0.75 mm ² = 21 x 0.20 1 mm ² = 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 mm ² = 28 x 0.15 0.75 mm ² = 42 x 0.15 1 mm ² = 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 mm ² = 28 x 0.15 0.75 mm ² = 42 x 0.15 1 mm ² = 32 x 0.20
A	PVC	Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wodę 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

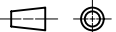
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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#510806.											
mm NTS															
GENERAL TOLERANCES (UNLESS SPECIFIED)															
	MM	INCH													
4 PLACES	±	±													
3 PLACES	±	±		EC NO: 733771	2023/01/10	MPM E453XXXXXXXXXX									
2 PLACES	±	±		DRWN: LIKITV	2023/02/24										
1 PLACE	±	±		CHK'D: GGA	2023/02/24										
0 PLACES	±	±		APPR: GGA											
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		3 OF 4	

TABELA 3/CHART 3

MOLEX P/N	WOODHEAD P/N
1210400525	E453B3A10K22000
1210400526	E453B3A10K62000
1210400527	E453B3A30022000
1210400528	E453B3A30062000
1210400529	E453B3A50022000
1210400530	E453B3A50062000
1210400539	E453N3N30022000
1210400540	E453N3N30062000
1210400541	E453N3N50022000
1210400547	E453P3N30022000
1210400550	E453P3N50022000
1210400698	E453A3A10K62000
1210400796	E453N3N20062000
1210400833	E453A3A10022000
1210400864	E453B2A30022000
1210400937	E453N3N2002P000
1210400953	E453N3N1002P000
1210400967	E453N3N5002P000
1210400973	E453P3N2502P000
1210400980	E453A3A15K62000
1210500845	E453I3N30021Q62
1210500889	E453P2N30021Q02
1210501823	E453P2N50061Q12
1210501868	E453P2N30021Q52
1210502033	E453P3N40011I8H
1210502410	E453I2N30021Q12
1210502440	E453I2N50021Q12

MOLEX P/N	WOODHEAD P/N
1210502454	E453B3A50021Q02
1210502455	E453B3A30021Q02
1210502517	E453I2N10K21Q12
1210502557	E453I2N50021Q02
1210502562	E453N3N30022C44
1210501787	E453N3N30061Q02
1210502887	W453P2G5006RQ02
1210501869	E453P2N50021Q52
1210503035	E453N2N20061C42

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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



CURRENT REV DESC: REMOVED OBSOLETED PART
NUMBER AS PER PCN#510806.

EC NO: 733771

DRWN: LIKITV

CHK'D: GGA

APPR: GGA

2023/01/10

2023/02/24

2023/02/24

INITIAL REVISION:

DRWN: MWOLSZCZAK

APPR: GOGRODNIK

2009/01/20

2009/01/20

DOCUMENT NUMBER

E453XXXXXXXXXXX

DOC TYPE

PSD

DOC PART

001

REVISION

B2

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2023/02/24

12:54:34

FORMAT: Mtl-lega-master-ib-prod-A3
REVISION: E1
DATE: 2021/05/01