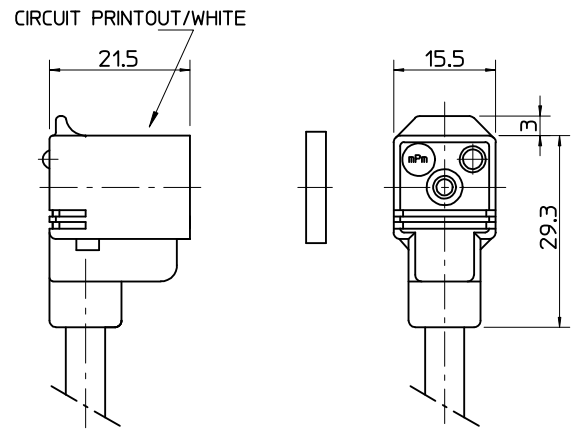
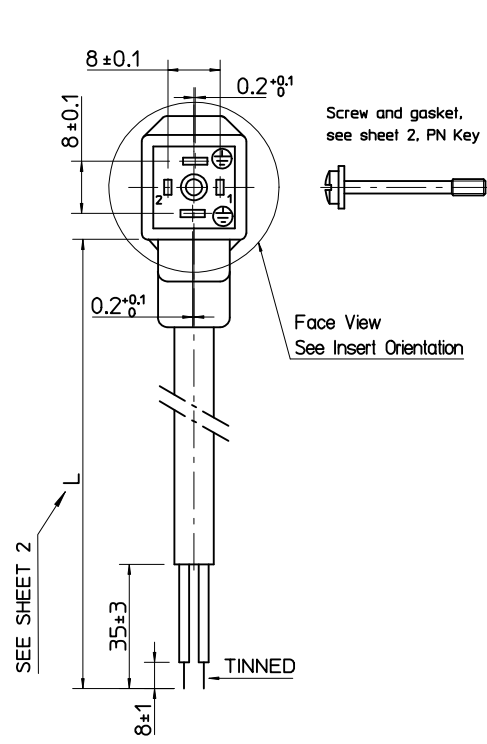




INSERT ORIENTATION

EARTH ON 6H & 12H E492XXXXXX1XXX	EARTH ON 12H E492XXXXXX2XXX	EARTH PIN ON 6H E492XXXXXX6XXX

WIRING CONFIGURATION

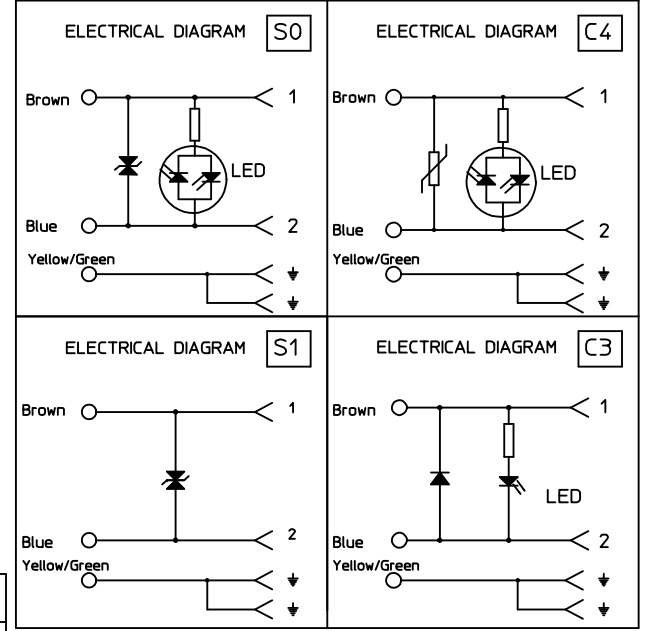


Table of length tolerances [mm]		
Over	Up to and including	Tolerance (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

ORIGINAL RELEASE
EC NO: IPG2013-1504
DRWN:MDYSZENSKA 2013/03/28
CHKD:JMARSZALEK 2013/03/28
APPR:MIWASIECZKO 2013/03/28

REV

DESCRIPTION

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ± --- °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
JMARSZALEK	2012/10/30
CHECKED BY	DATE
MSZWAJKOWSKI	2012/10/31
APPROVED BY	DATE
MIWASIECZKO	2012/11/09

MATERIAL NO.

SIZE
A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE

DESIGN UNITS
METRIC

FIRST ANGLE
PROJECTION

TITLE
E492XXXXXXXXXX
FORM C
EN 175301-803
molex
SD-121050-002

DOCUMENT NO.

SHEET NO.
1 OF 4

F

TABLE 2 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Color	Diameter Ø	DIN A-B	DIN C
1210180080	I	0	3	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	-	-	-
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5,5+/-0,2 mm	OK.	OK.
-	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5,6+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Black	7+/-0,2 mm	OK.	OK.
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Black	7+/-0,2 mm	OK.	OK.
1210180122	D	2	3	0,5 mm2	PVC TI2 CEI 20-20	Grey	-	-	-
-	F	2	3	0,5 mm2	CNOMO	Grey RAL7000	5,5+/-0,2 mm	OK.	OK.
1210180047	I	2	2	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
-	I	2	3	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	5,6+/-0,2 mm	OK.	OK.
1210180146	I	2	4	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	6,5+/-0,2 mm	OK.	OK.
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7+/-0,2 mm	OK.	OK.
1210180022	N	2	2	0,5 mm2	PVCH03	Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Black	5,5+/-0,2 mm	OK.	OK.
-	P	2	3	0,5 mm2	PUR - BLEND	Black	5,6+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Black	-	-	-
-	P	2	5	0,5 mm2	PUR - BLEND	Black	7+/-0,2 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6,5+/-0,2 mm	OK.	OK.
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6,5+/-0,2 mm	OK.	OK.
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7+/-0,2 mm	OK.	OK.
-	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7,8+/-0,2 mm	OK.	OK.
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7+/-0,2 mm	OK.	OK.
-	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7,8+/-0,2 mm	OK.	OK.
1210180073	D	3	3	0,75 mm2	PVC TI2 CEI 20-20	Grey	-	-	-
1210180145	D	3	4	0,75 mm2	PVC TI2 CEI 20-20	Grey	-	-	-
1210180120	I	3	3	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	-	-	-
1210180143	I	3	4	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	-	-	-
1210180032	N	3	2	0,75 mm2	PVCH05	Black	6,2+ 0,2-0 mm	OK.	OK.
1210180069	N	3	3	0,75 mm2	PVCH05	Black	6,6+0,2-0 mm	OK.	OK.
-	N	3	4	0,75 mm2	PVCH05	Black	7,15+0,2-0 mm	OK.	OK.
1210180174	N	3	5	0,75 mm2	PVCH05	Black	8,0+0,2-0 mm	OK.	OK.
-	P	3	2	0,75 mm2	PUR - BLEND	Black	6,5+/-0,2 mm	OK.	OK.

E

D

C

B

A

F

E

D

C

B

A

TABLE 2 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Color	Diameter Ø	DIN A-B	DIN C
1210180071	P	3	3	0,75 mm2	PUR - BLEND	Black	6,5+/-0,2 mm	OK.	OK.
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Black	7+/-0,2 mm	OK.	OK.
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Black	6,5+/-0,2 mm	OK.	OK.
1210180094	T	3	3	0,75 mm2	PUR CSA/UL	Yellow	-	-	-
1210180309	Y	3	3	0,75 mm2	SIL/0300	Red	6,5+/-0,2 mm	-	-
1210180081	F	4	3	1 mm2	CNOMO	Grey RAL7000	-	-	-
-	F	4	4	1 mm2	CNOMO	Grey RAL7000	7,1+0,2-0 mm	OK.	OK.
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180036	N	4	2	1 mm2	PVCH05	Black	6,5+0,2-0 mm	OK.	OK.
1210180082	N	4	3	1 mm2	PVCH05	Black	6,9+0,2-0 mm	OK.	OK.
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Black	-	-	-
1210180085	N	5	3	1,5 mm2	PVCH05	Black	8,3+0,2-0 mm	OK.	OK.
1210180313	I	6	2	0,35 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	-	-	-
-	A	7	3	20 AWG	PVC CSA/UL 2661	Yellow	5,6+/-0,2 mm	OK.	OK.
1210180149	I	9	4	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	-	-	-

TABLE 1 - CABLES TYPE

Code	Cable types	Features	Stranding
N	PVC	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	CEI	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	PUR	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 CSA-UL	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	PUR CSA-UL	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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QUALITY SYMBOLS
▽=0
◻=0

DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ±---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY
JMARSZALEK

DATE
2012/10/30

CHECKED BY
MSZWAJKOWSKI

DATE
2012/10/31

APPROVED BY
MIWASIECZKO

DATE
2012/11/09

MATERIAL NO.

MATRIX DRAWING

SIZE
A3

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SCALE
1:1

DESIGN UNITS
METRIC

FIRST ANGLE
PROJECTION

TITLE
E492XXXXXXXXXXXX
FORM C
EN 175301-803
molex

DOCUMENT NO.
SD-121050-002

SHEET NO.
3 OF 4

