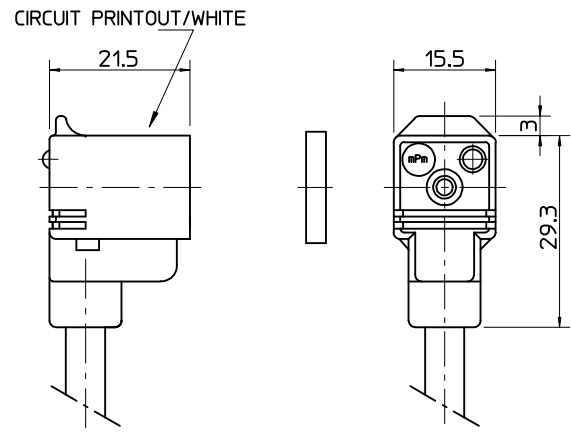
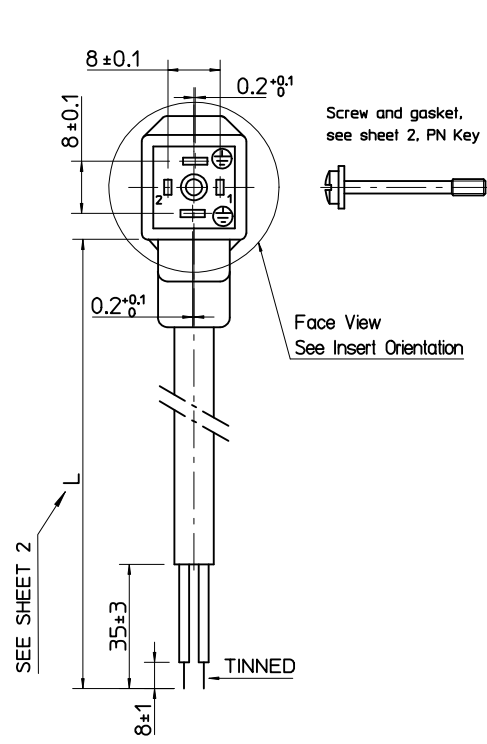




INSERT ORIENTATION

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

WIRING CONFIGURATION

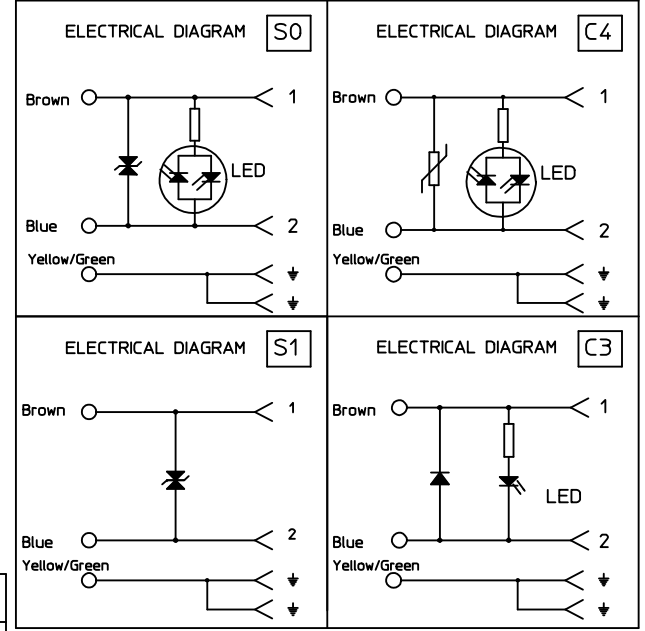


Table of length tolerances [mm]		
Over	Up to and including	Tolerance (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

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

DESCRIPTION
REV

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

SCALE
DESIGN UNITS
METRIC
FIRST ANGLE PROJECTION

TITLE
E492XXXXXXXXXX
FORM C
EN 175301-803
molex
SD-121050-002
1 OF 4

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

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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.	-
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.	-
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.	-
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7+/-0,2 mm	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.	-
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6,5+/-0,2 mm	OK.	-
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7+/-0,2 mm	OK.	-
-	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7,8+/-0,2 mm	OK.	-
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6,5+/-0,2 mm	OK.	-
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7+/-0,2 mm	OK.	-
-	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7,8+/-0,2 mm	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.	-
1210180069	N	3	3	0,75 mm2	PVCH05	Black	6,6+0,2-0 mm	OK.	-
-	N	3	4	0,75 mm2	PVCH05	Black	7,15+0,2-0 mm	OK.	-
1210180174	N	3	5	0,75 mm2	PVCH05	Black	8,0+0,2-0 mm	OK.	-
-	P	3	2	0,75 mm2	PUR - BLEND	Black	6,5+/-0,2 mm	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.	-
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Black	7+/-0,2 mm	OK.	-
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Black	6,5+/-0,2 mm	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.	-
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,1+0,2-0 mm	OK.	-
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7,1+0,2-0 mm	OK.	-
1210180036	N	4	2	1 mm2	PVCH05	Black	6,5+0,2-0 mm	OK.	-
1210180082	N	4	3	1 mm2	PVCH05	Black	6,9+0,2-0 mm	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.	-
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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DESCRIPTION

REV

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.

MATRIX DRAWING

SIZE
A3

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INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

