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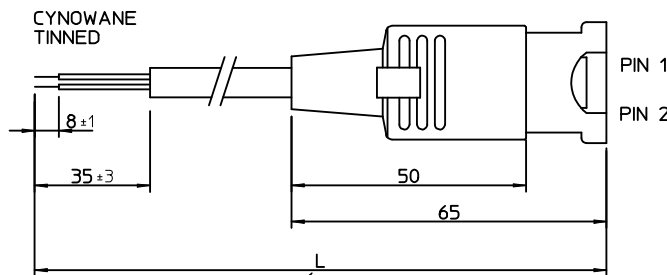
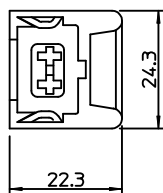
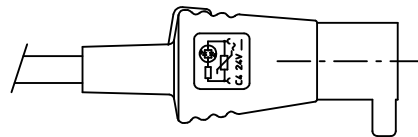
4

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TAMPONADRUK SCHEMATU(PATRZ ROZKODOWANIE) /BIALY
CIRCUIT PRINTOUT(SEE MPM PART NUMBER CODE)/WHITE



PATRZ UWAGA 1
SEE NOTE 1

SCHEMATY POLACZEN/WIREING CONFIGURATION

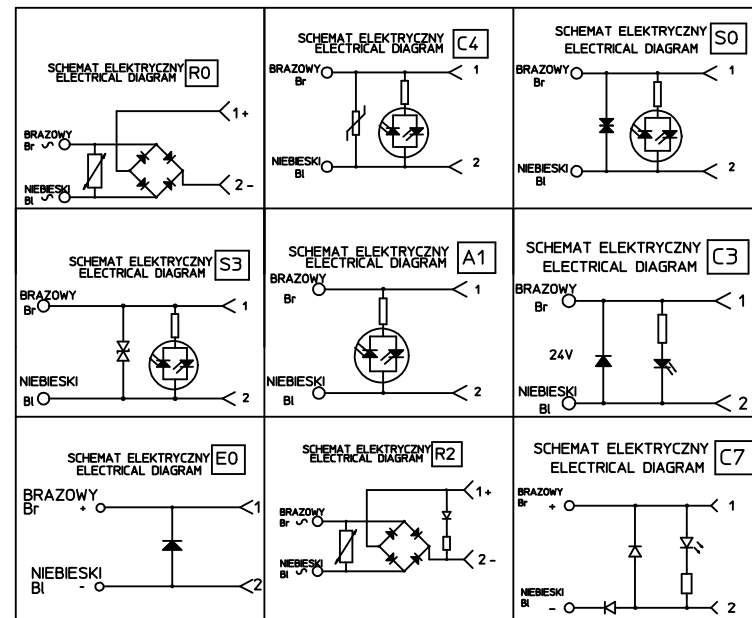


Table of lenght tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

UWAGI:

1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:

1. LENGHT SEE SHEET 2.

ORIGINAL RELEASE EC NO: WEU2009-0449 DRWN: MWOLSZCZAK 2009/06/30 CHKD: MDABROWSKA 2009/07/01 APPR: GOGRODNIK 2009/07/01	QUALITY SYMBOLS ▽=0 ◻=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
					DRAWN BY MLEVYTSKYY	DATE 2009/04/20	TITLE MPM EJT1XXXXXXXXXX		
					CHECKED BY MDABROWSKA	DATE 2009/04/20			
					APPROVED BY MWOLSZCZAK	DATE 2009/04/20	MOLEX INCORPORATED		
					ANGULAR ±---°			MATERIAL NO.	
A	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE DRAWING		EJT1XXXXXXXXXX		1 OF 4
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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1

PART No MATRIX

E

J

T

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X

X

X

X

X

X

X

X

X

JUNIOR TIMER

CONNECTOR TYPE :
1 - STRAIGHT, 2 WIRES, SINGLE ENDED

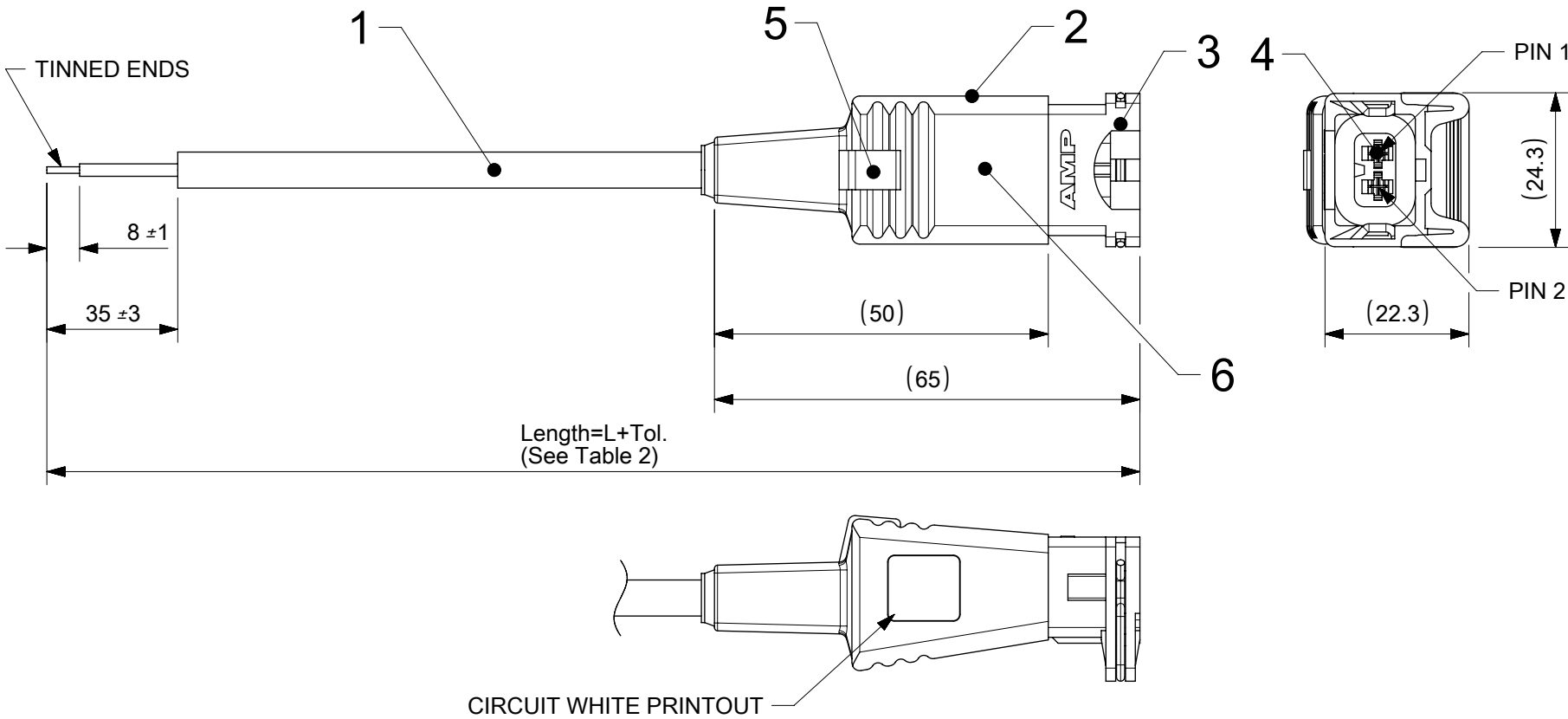
CABLE TYPE

HEAD COLOR
N - BLACK
A - CSA-UL BLACK

CABLE LENGTH [cm]
050 = 50cm
300 = 300cm
10K = 1000cm

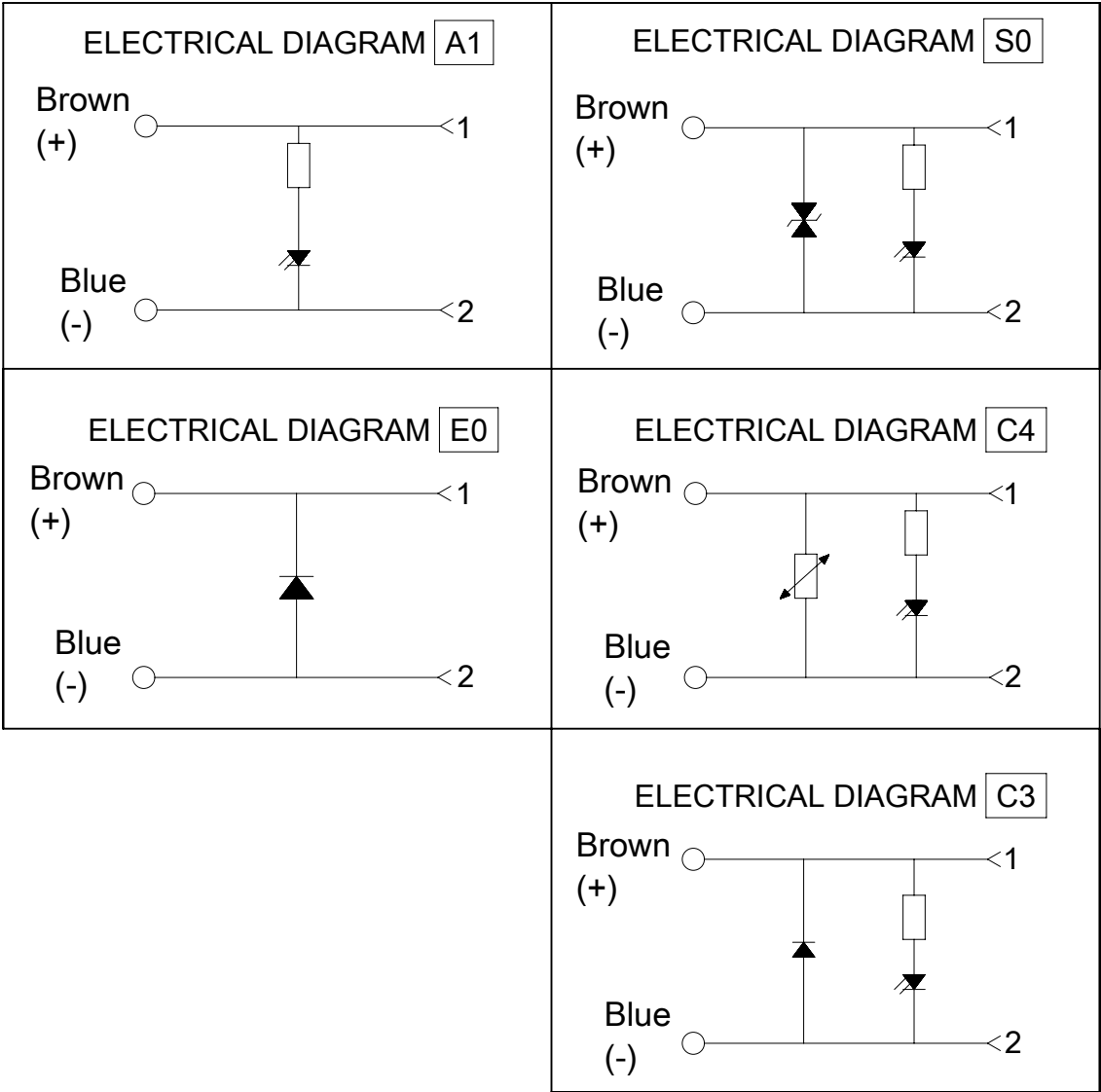
INTERNAL CIRCUIT:
SEE WIRING CONFIGURATION

VOLTAGE AND LED COLOUR
RED LED GREEN LED YELLOW LED
1 = 12V A = 12V G = 12V
2 = 24V B = 24V H = 24V



BILL OF MATERIALS

6	-	ELECTRONIC COMPONENTS		
5	1	LENS	-	TRANSPARENT
4	2	CONTACT	PH. BRONZE	
3	1	HOUSING JUNIOR	PA6.6 GVF 30	BLACK
2	-	MOULDING MATERIAL	PP	BLACK
1	-	CABLE	SEE SHEET 2	SEE SHEET 2
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS	P1	RELEASE DATE	2024/07/04 12:12:02	



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex				
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 791448 DRWN: APAWLAK01 CHK'D: RSILLER APPR: RSILLER				JUNIOR TIMER EJT1						
	ANGULAR TOL ± 1.0 °												
	4 PLACES ±		2023/10/31 2024/07/04 2024/07/04				PRODUCT CUSTOMER DRAWING						
3 PLACES ±													
DIVISIONAL SYMBOLS	2 PLACES ± 0.05		INITIAL REVISION: DRWN: JMARSZALEK APPR: MIWASIECZKO				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	1 PLACE ± 0.3						SD-121056-002		PSD	001	B		
	0 PLACES ± 0.5		2013/06/10 2014/05/08		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		SEE SHEET 2		GENERAL MARKET		1 OF 2

	10	9	8	7	6	5	4	3	2	1
CABLE LIST	Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors	
	1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU	
	1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU	
	1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU	
	1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.2±0.2	BN, BU	
	1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.0+0.3/-0	BN, BU	
	1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey	5.5±0.2	BK1, BK2	
	1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU	
	1210180313	I	6	2	0.35 mm²	PVC CEI 2011	Grey	4.8±0.2	BN, WH	
	1210180022	N	2	2	0.5 mm²	PVC H03VV-F	Black	~4.7mm	BN, BU	
	1210180032	N	3	2	0.75 mm²	PVC H05VV-F	Black	~5.9mm	BN, BU	
	1210180036	N	4	2	1 mm²	PVC H05VV-F	Black	~6.1mm	BN, BU	
	1210180046	P	2	2	0.5 mm²	PUR - BLEND	Black	5.5±0.2	BN, BU	
	1202094190	P	3	2	0.75 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU	
	1552200102	W	2	2	0.5 mm²	WSOR	Black	~5.2mm	BN, BU	
	1552200135	W	3	2	0.75 mm²	WSOR	Black	~6.0mm	BN, BU	

CABLE LIST

CODE	CABLE TYPE	FEATURES	CABLE TYPE CROSS SECTION
N	PVC	APPLICATION GENERAL PURPOSE CABLE WHICH HAS GOOD RESISTANCE TO WATER, BUT USUALLY POOR OIL RESISTANCE	N2=0.5mm² N3=0.75mm² N4=1mm²
I	CEI	APPROVED TO IEC 332-2A, FLAME RETARDANT AND SELF EXTINGUISHING LIMITED RESISTANT TO MINERAL OILS	I2=0.5mm² I3=0.75mm² I4=1mm²
P	PUR	OFFER GOOD RESISTANCE TO OIL AND CHEMICALS, CAN SWELL WHEN CONSTANTLY IMMERSED IN WATER	P2=0.5mm² P3=0.75mm² P4=1mm²
A	PVC CSA-UL	APPROVED TO CSA-UL 2661, APPLICATION GENERAL PURPOSE CABLE WHICH HAS GOOD RESISTANCE TO WATER, BUT USUALLY POOR OIL RESISTANCE	A2=20 AWG A3=18 AWG
B	PUR CSA-UL	APPROVED TO CSA-UL 20668, VERY GOOD RESISTANCE TO OIL AND CHEMICALS	B2=20 AWG B3=18 AWG
W	WSOR	WELD-SLAG AND OIL-RESISTANCE JACKET	W2=0.5mm² W3=0.75mm²

F

E

D

C

B

A

F

E

D

C

B

A

TABELA 2 KABLE / TABLE 2 CABLES

Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors
1202091424	I	0	3	1 mm ²	PVC CEI 2022 II O.R.	Grey	7.6±0.2	BN, BU, GN/YE
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2	BN, BU, GN/YE
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU, BK, GN/YE
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU, GN/YE
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.3±0.2	BN, BU, BK, GN/YE
1210180284	D	2	3	0.5 mm ²	PVC CEI 20-20	Grey	5.5+0.3/-0	BN, BU, GN/YE
1210180047	I	2	2	0.5 mm ²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU
1210180284	I	2	3	0.5 mm ²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU, GN/YE
1210180146	I	2	4	0.5 mm ²	PVC CEI 2022 II O.R.	Grey	6.5±0.2	BN, BU, BK, GN/YE
1210180177	I	2	5	0.5 mm ²	PVC CEI 2022 II O.R.	Grey	7.0 +0.3/-0	BN, BU, BK, WH, GN/YE
1210180022	N	2	2	0.5 mm ²	PVC H03VV-F	Black	5.2±0.2	BN, BU
1202092753	N	2	3	0.5 mm ²	PVC H03VV-F	Black	5.5±0.2	BN, BU, GN/YE
1210180153	N	2	4	0.5 mm ²	PVC H03VV-F	Black	5.9±0.3	BN, BU, BK, GN/YE
1210180046	P	2	2	0.5 mm ²	PUR - BLEND	Black	5.5±0.2	BN, BU
1202092439	P	2	3	0.5 mm ²	PUR - BLEND	Black	5.5 +0.3/-0	BN, BU, GN/YE
1210180302	P	2	4	0.5 mm ²	PUR - BLEND	Black	6.5±0.2	BN, BU, BK, GN/YE
1202092215	P	2	5	0.5 mm ²	PUR - BLEND	Black	7+0.3/-0.1	BN, BU, BK, WH, GN/YE
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25	BN, BU, GN/YE
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7.0+0.3/-0	BN, BU, BK, GN/YE
1210180484	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25	BN, BU, BK, WH, GN/YE
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.2±0.2	BN, BU
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2	BN, BU, GN/YE
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2	BN, BU, BK, GN/YE
1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.25	BN, BU, BK, WH, GN/YE
1210180073	D	3	3	0.75 mm ²	PVC CEI 20-20	Grey	6.5±0.2	BN, BU, GN/YE
1210180145	D	3	4	0.75 mm ²	PVC CEI 20-20	Grey	7.1±0.2	BN, BU, BK, GN/YE
1202098206	I	3	2	0.75 mm ²	PVC CEI 2022 II O.R.	Grey	5.5±0.2	BK1, BK2
1210180120	I	3	3	0.75 mm ²	PVC CEI 2022 II O.R.	Grey	6.0±0.2	BK1, BK2, BK3
1210180143	I	3	4	0.75 mm ²	PVC CEI 2022 II O.R.	Grey	7.0±0.2	BN, BU, BK, GN/YE
1210180032	N	3	2	0.75 mm ²	PVC H05VV-F	Black	6.2±0.2	BN, BU
1210180069	N	3	3	0.75 mm ²	PVC H05VV-F	Black	6.5±0.2	BN, BU, GN/YE
1210180144	N	3	4	0.75 mm ²	PVC H05VV-F	Black	7.1±0.2	BN, BU, BK, GN/YE
1210180174	N	3	5	0.75 mm ²	PVC H05VV-F	Black	8.0+0.2/-0	BN, BU, BK, GY, GN/YE
1202094190	P	3	2	0.75 mm ²	PUR - BLEND	Black	6.5±0.2	BN, BU
1210180071	P	3	3	0.75 mm ²	PUR - BLEND	Black	6.5±0.2	BN, BU, GN/YE
1210180152	P	3	4	0.75 mm ²	PUR - BLEND	Black	7.0±0.2	BN, BU, BK, GN/YE

TABELA 2 KABLE / TABLE 2 CABLES

Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors
1210180384	R	3	3	0.75 mm ²	TPR HAL. FREE	Black	6.5±0.2	BN, BU, GN/YE
1210180094	T	3	3	0.75 mm ²	PUR CSA/UL 20668	Yellow	6.5±0.2	BN, BU, GN/YE
1210180309	Y	3	3	0.75 mm ²	SILICONE RUBBER	Red	6.5±0.2	BN, BU, GN/YE
1210180081	F	4	3	1 mm ²	PVC CNOMO	Grey	7.1+0.2/-0	BK1, BK2, GN/YE
1210180042	I	4	2	1 mm ²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU
1210180079	I	4	3	1 mm ²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU, GN/YE
1210180036	N	4	2	1 mm ²	PVC H05VV-F	Black	6.5±0.2	BN, BU
1210180082	N	4	3	1 mm ²	PVC H05VV-F	Black	6.9±0.2	BN, BU, GN/YE
1210180117	R	4	3	1 mm ²	TPR HAL. FREE	Black	7.1±0.2	BN, BU, GN/YE
1210180085	N	5	3	1.5 mm ²	PVC H05VV-F	Black	7.9±0.2	BN, BU, GN/YE
1210180313	I	6	2	0.35 mm ²	PVC CEI 2011	Grey	4.8±0.2	BN, WH
1210180149	I	9	4	0.75 mm ²	PVC CEI 2022 II	Grey	7.3±0.2	BN, BU, BK, GN/YE

TABLE 1 - CABLES TYPE

Code	Cable types	Features	Cross Section
N	PVC	Application general purpose cable which has good resistance to water, but usually poor oil resistance.	0.5 mm ² 0.75 mm ² 1 mm ²
I	CEI	Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	0.5 mm ² 0.75 mm ² 1 mm ²
P	PUR	Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	0.5 mm ² 0.75 mm ² 1 mm ²
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 18 AWG
B	PUR CSA-UL	Approved to CSA-UL 20668, very good resistance to oil and chemicals.	20 AWG 18 AWG

ORIGINAL RELEASE
EC NO: IPG2014-1897
DRWN: JMARSZALEK 2013/06/11
CHKD: DSTACHOWIAK 2014/05/07
APPR: MIWASIECZKO 2014/05/08

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 DATE
JMARSZALEK 2013/06/11
CHECKED BY DATE
DSTACHOWIAK 2014/05/07
APPROVED BY DATE
MIWASIECZKO 2014/05/08
MATERIAL NO.
MATRIX DRAWING

SCALE
-
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

JUNIOR TIMER CONNECTORS
EJT1XXXXXXXXXX

molex

DOCUMENT NO.
SD-121056-002
SHEET NO.
2 OF 2

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