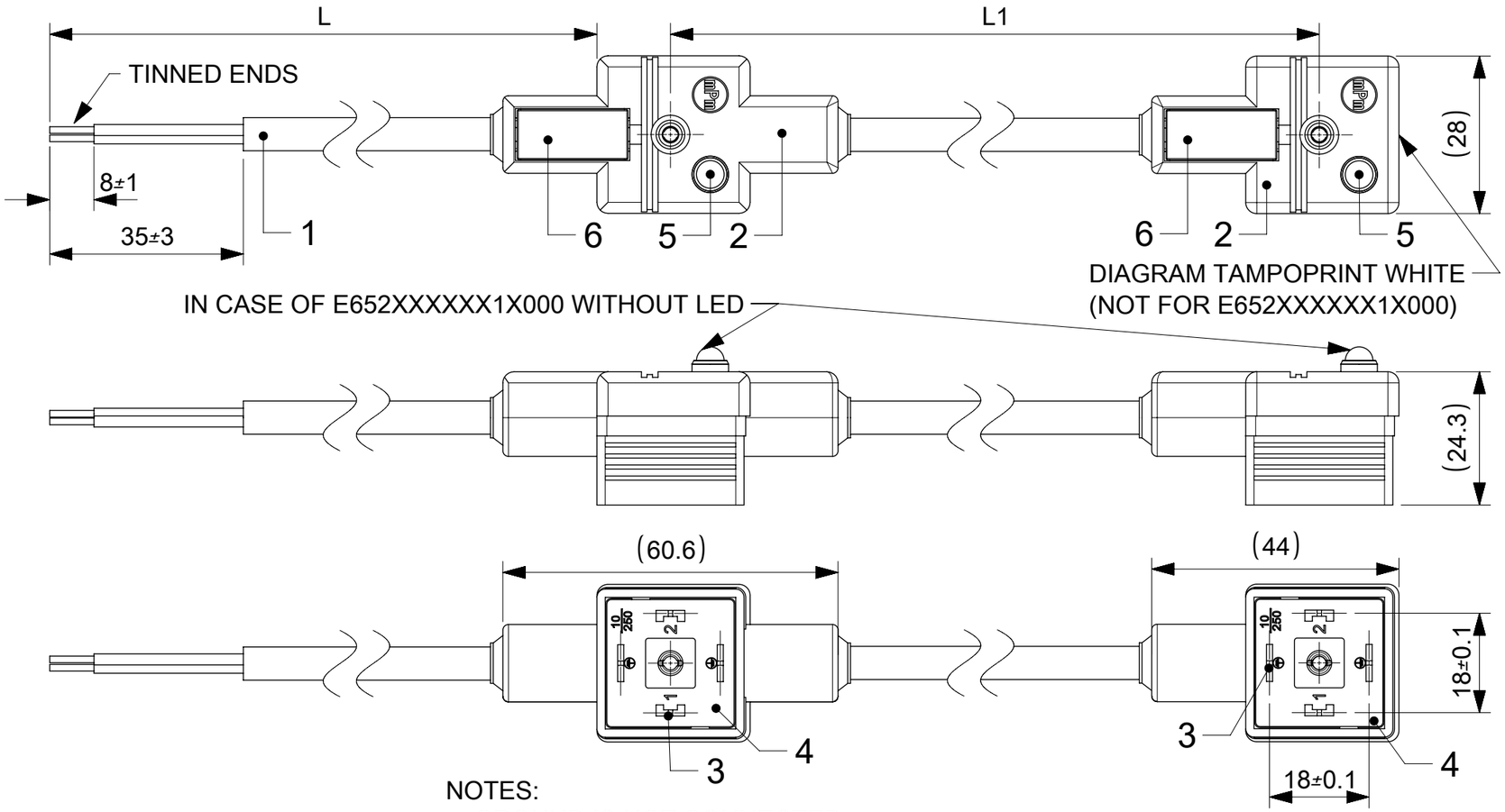
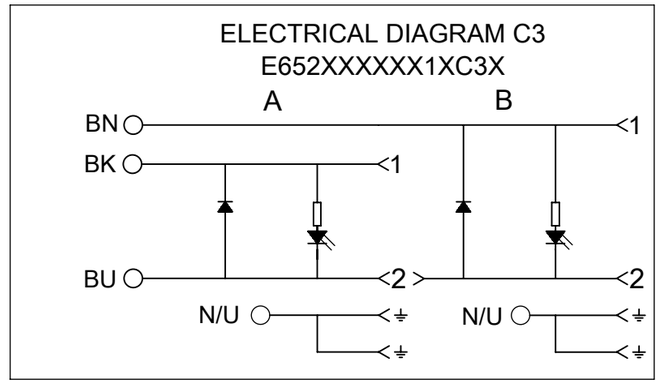
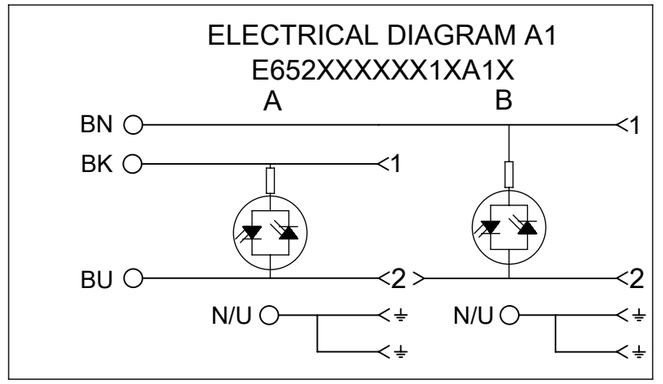
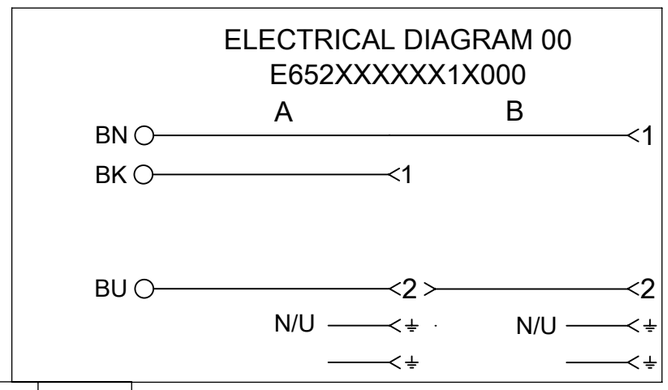
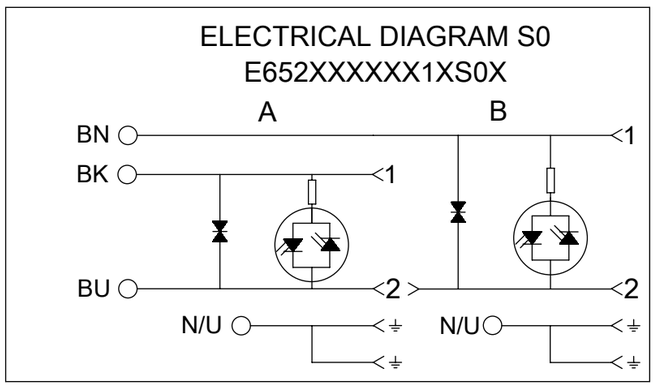










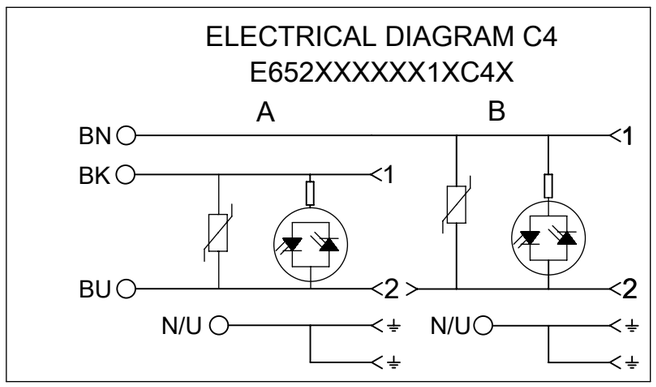


TABLE OF LENGHT TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCE
0	500	-10/+20
500	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
12	0/2	INTEGRATED GASKET	NBR	-
11	0/2	WASHER	NBR	-
10	0/2	SCREW M3x27	STEEL	ZINC
9	0/2	FLAT GASKET	NBR/SILICONE	-
8	0/2	PROFILE GASKET	NBR/SILICONE	-
7	0/2	SCREW M3x25	STEEL	ZINC
6	2	LABEL WHITE	ABS	-
5	0/2	PCB	-	-
4	2	INSERT DIN A	PA66+25%G V0	-
3	8	CONTACT DIN	BRASS	SILVER
2	-	MOULDING MATERIAL	PP	-
1	-	CABLE (SEE SHEET 3)	-	-

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30 17:14:39

NOTES :

ELECTRICAL - CURRENT : MAX. 5.0A
CONTACT RESISTANCE : ≤15 milliohms MAX.
INSULATION RESISTANCE : 100 Megaohms MIN.
PHYSICAL - OPERATING TEMPERATURE WITH :
NITRILE RUBBER (NBR) GASKET : -40°C TO +90°C
LIVE CONTACT DISTANCE :
FORM A - 18.00mm
ENVIRONMENTAL - IP65 SEALING PROTECTION(FIXING SCREW)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826032
DRWN: SAMPRS 2025/06/11
CHK'D: GGA 2025/06/30
APPR: GGA 2025/06/30

INITIAL REVISION:
DRWN: APAWLAK01 2017/07/03
APPR: MIWASIECZKO 2017/07/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121055

molex

STANDARD E652 DIN FORM A DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210550123	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 3	GENERAL MARKET	1 OF 3

FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

E	6	5	2	X	X	X	X	X	X	1	X	X	X	X

E - E - Packing withaut bags
W - Single packing
Q - Quick packing

6 - Cable type:
See Table 1

5 - Cable Cross Section Aera:
See Table 1

2 - Head Color:
G=Grey
N=Black
T=Transparent
A=CSA-UL Black
B=CSA-UL Grey

X - Cable Lenght in Meters (L):
A=1
B=1.5
C=2
D=2.5
E=3
F=3.5
G=4
H=4.5
L=5
M=5.5
N=6
P=6.5
Q=7
R=7.5
S=8
T=8.5
U=9
K=10

X - Cable Lenght in cm Betewen 2 Mouldings (L1)
Eg.: 15=15 cm
30=30 cm
1K=100 cm
min lenght=13 cm

1 - Earth PIN Location:
1=Double Earth on 6H and 12H

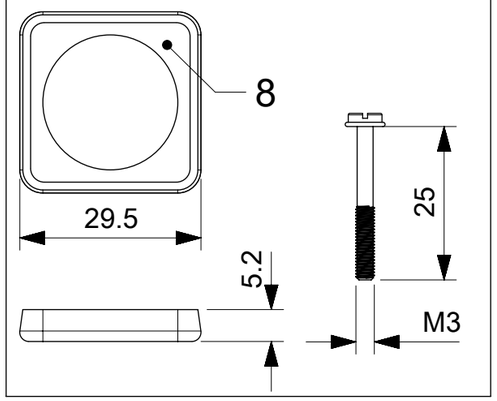
X - Type of Gasket and Screw:
1=NBR Profile Gasket + Fixing Screw (M3x25 mm)
2=NBR Flat Gasket + Fixing Screw (M3x25 mm)
3=Silicone Profile Gasket + Fixing Screw (M3x25 mm)
4=Silicone Flat Gasket + Fixing Screw (M3x25 mm)
P=Integrated Gasket Assembled + Fixing Screw with Washer Assembled (M3x27 mm)
R=Integrated Gasket + Fixing Screw + Washer (M3x27 mm)
T=Profile Gasket + Fixing Screw + Washer (M3x27 mm)

X - Internal Circuit Wiring Configuration
Eg.: C4, 00, S0
See Sheet 1

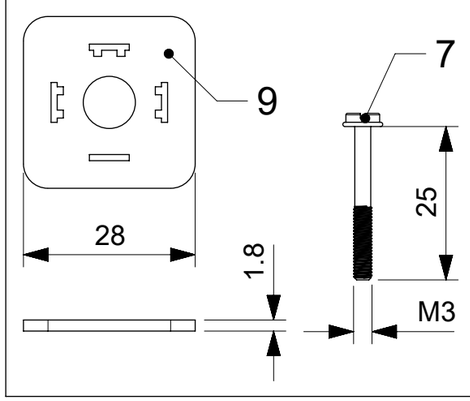
X - Voltage and LED Color:

1= 12V 2= 24V 3= 48V 4= 115V 5= 230V	RED LED
A= 12V B= 24V C= 48V D= 115V E= 230V	GREEN LED
G= 12V H= 24V K= 48V L= 115V M= 230V	YELLOW LED

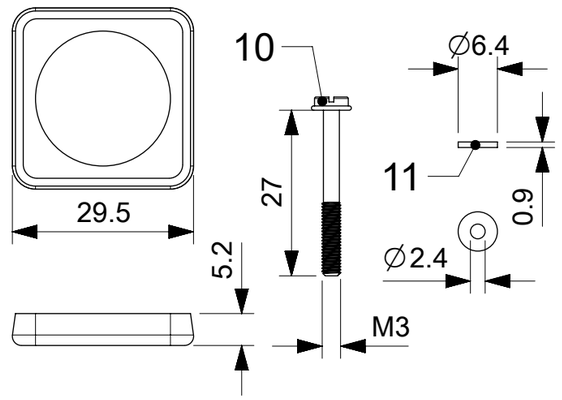
Profile Gasket + Screw M3x25 mm



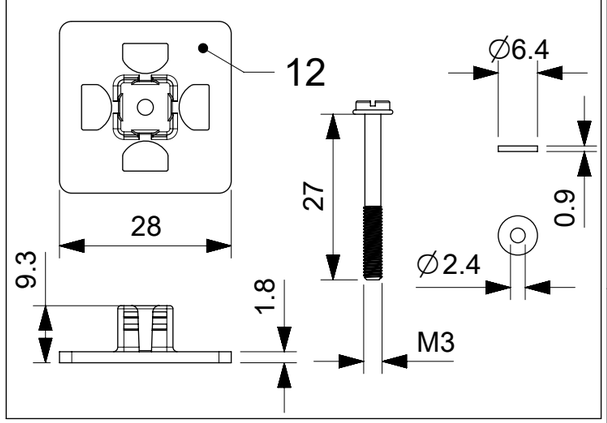
Flat Gasket + Screw M3x25 mm



Profile Gasket + Screw with Washer M3x27 mm



Integrated Gasket + Screw with Washer M3x27 mm



DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30 17:14:39

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DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ± 1.0 °	
4 PLACES ±	
3 PLACES ±	
2 PLACES ± 0.05	
1 PLACE ± 0.3	
0 PLACES ± 0.5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826032
DRWN: SAMPRS 2025/06/11
CHK'D: GGA 2025/06/30
APPR: GGA 2025/06/30

INITIAL REVISION:
DRWN: APAWLAK01 2017/07/03
APPR: MIWASIECZKO 2017/07/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121055

molex

STANDARD E652 DIN FORM A DUAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210550123	PSD	000	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 3	GENERAL MARKET	2 OF 3

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

TABLE 1 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Colour	Diameter ∅
-	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.4±0.2 mm
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2 mm
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2 mm
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25 mm
-	A	2	5	20 AWG	PVC CSA/UL 2661	Black	7±0.2 mm
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.2±0.2 mm
-	B	2	5	20 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180122	D	2	3	0.5 mm²	PVC TI2 CEI 20-20	Grey	5.5±0.2 mm
-	F	2	3	0.5 mm²	CNEOMO	Grey RAL7000	5.5±0.2 mm
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180284	I	2	3	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180146	I	2	4	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.5±0.2 mm
1210180177	I	2	5	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180022	N	2	2	0.5 mm²	PVCH03	Black	5.2±0.2 mm
1202092753	N	2	3	0.5 mm²	PVCH03	Black	5.5±0.2 mm
1210180153	N	2	4	0.5 mm²	PVCH03	Black	6.9 mm max
1210180046	P	2	2	0.5 mm²	PUR-BLEND	Black	5.5±0.2 mm
1202092439	P	2	3	0.5 mm²	PUR-BLEND	Black	5.5+0.3/-0 mm
1210180302	P	2	4	0.5 mm²	PUR-BLEND	Black	6.5±0.2 mm
1202092215	P	2	5	0.5 mm²	PUR-BLEND	Black	7+0.3/-0.1 mm
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7±0.3 mm
1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25 mm
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.8±0.2 mm
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2 mm
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.2 mm
1210180073	D	3	3	0.75 mm²	PVC TI2 CEI 20-20	Grey	6.5±0.2 mm
-	D	3	4	0.75 mm²	PVC TI2 CEI 20-20	Grey	7.1±0.2 mm
1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7001	5.5±0.2 mm
1210180120	I	3	3	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6±0.2 mm
1210180143	I	3	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180032	N	3	2	0.75 mm²	PVCH05	Black	6.2±0.2 mm
1210180069	N	3	3	0.75 mm²	PVCH05	Black	6.5±0.2 mm
1210180144	N	3	4	0.75 mm²	PVCH05	Black	7.1±0.2 mm
1210180174	N	3	5	0.75 mm²	PVCH05	Black	8.0+0.2/-0 mm
1202094190	P	3	2	0.75 mm²	PUR-BLEND	Black	6.5±0.2 mm
1210180071	P	3	3	0.75 mm²	PUR-BLEND	Black	6.5±0.2 mm
1210180152	P	3	4	0.75 mm²	PUR-BLEND	Black	7±0.2 mm
1210180384	R	3	3	0.75 mm²	TPR HAL. FREE	Black	6.5±0.2 mm
1210180094	T	3	3	0.75 mm²	PUR CSA/UL	Yellow	6.5±0.2 mm
1210180309	Y	3	3	0.75 mm²	SIL/0300	Red	6.5±0.2 mm
1210180081	F	4	3	1 mm²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
-	F	4	4	1 mm²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
1210180079	I	4	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
1210180036	N	4	2	1 mm²	PVCH05	Black	6.5±0.2 mm
1210180082	N	4	3	1 mm²	PVCH05	Black	6.9±0.2 mm
1210180117	R	4	3	1 mm²	TPR HAL. FREE	Black	7.1±0.2 mm
1210180085	N	5	3	1.5 mm²	PVCH05	Black	8.3+0.2/-0 mm
1210180313	I	6	2	0.35 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	4.8±0.2 mm
-	A	7	3	20 AWG	PVC CSA/UL 2661	Yellow	5.6±0.2 mm
1210180149	I	9	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.3±0.2 mm

TABLE 2 - PART LIST

MOLEX PN	ENGINEERING PN
1210550139	E652N2NL1511S02
1210550160	E652N2NL151PS02
1210550279	E652N3NL1611C4H
1210550281	E652P3NA1311A11
1210550316	E652N2NE251PS02

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30 17:14:39

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826032
DRWN: SAMPRS 2025/06/11
CHK'D: GGA 2025/06/30
APPR: GGA 2025/06/30

INITIAL REVISION:
DRWN: APAWLAK01 2017/07/03
APPR: MIWASIECZKO 2017/07/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121055

molex

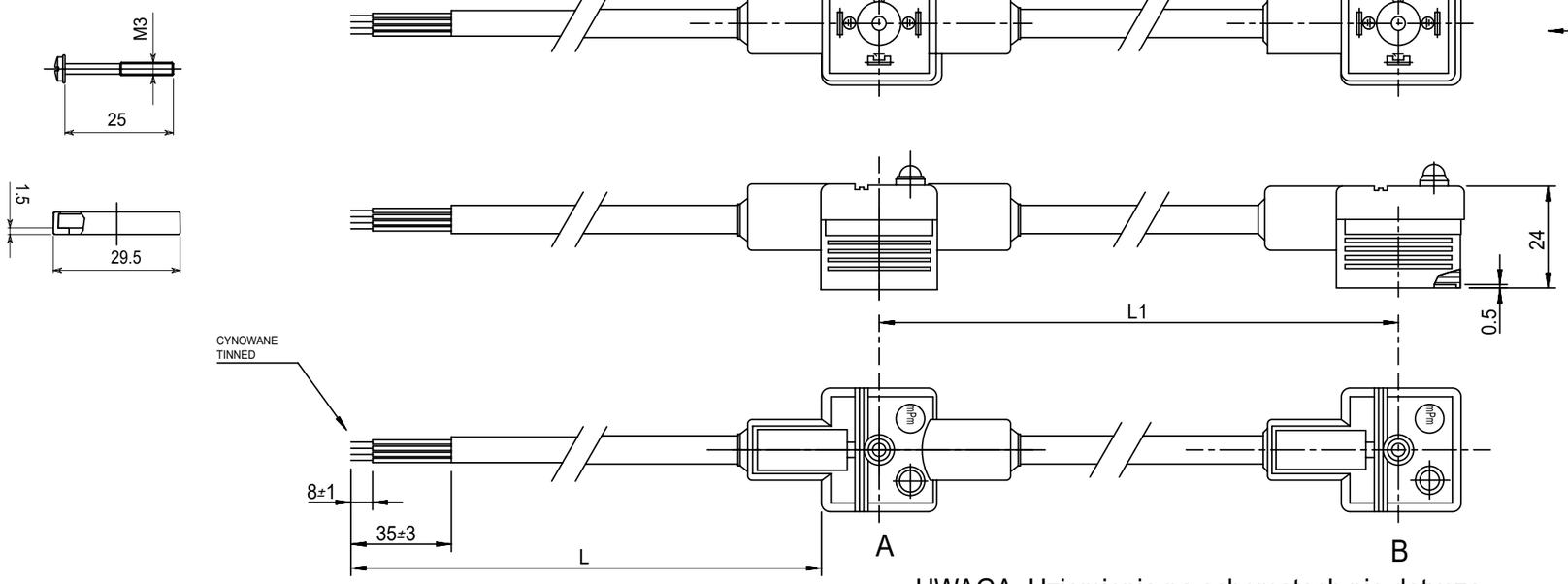
STANDARD E652 DIN FORM A DUAL

PRODUCT CUSTOMER DRAWING

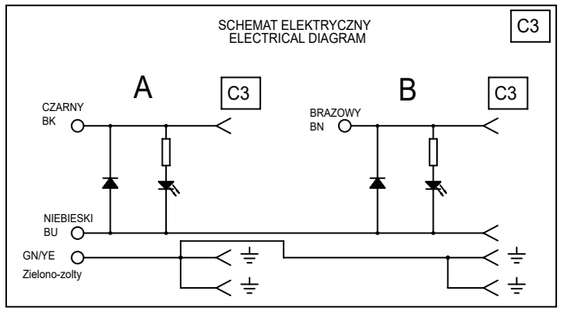
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210550123	PSD	000	A2

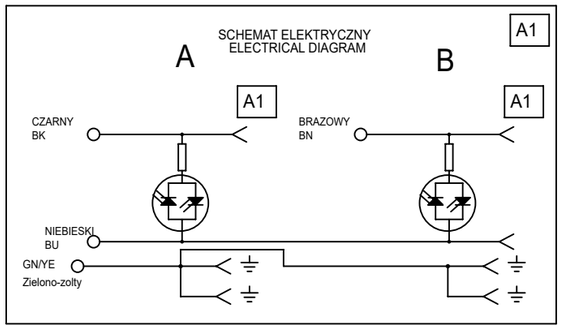
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	3 OF 3

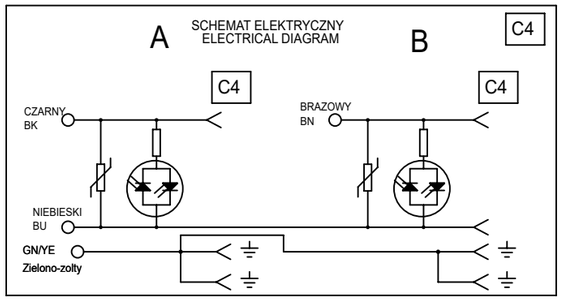
FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01

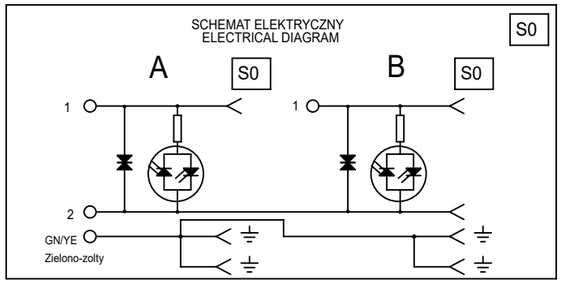


TAMPO NADRUK SCHEMAT/BIALY
CIRCUIT PRINTOUT/WHITE

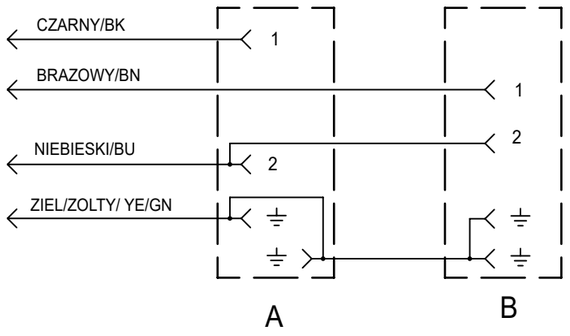








POLACZENIA
CONNECTION



UWAGA: Uziemienia na schematach nie dotycza numerow E652XXXXXXXXXX.

NOTE: Grounding on shematics dosnt include E652XXXXXXXXXX P/N.

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.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm	SCALE: NTS	CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183	molex
GENERAL TOLERANCES (UNLESS SPECIFIED): MM / INCH		EC NO: 826029	MPM E65XXXXXXXXXXX
4 PLACES ± / ±		DRWN: RAGHAH3 2025/06/20	
3 PLACES ± / ±		CHK'D: GGA 2025/06/27	PRODUCT CUSTOMER DRAWING
2 PLACES ± / ±		APPR: GGA 2025/06/27	
1 PLACE ± / ±		INITIAL REVISION:	DOCUMENT NUMBER: E65XXXXXXXXXXX; DOC TYPE: PSD; DOC PART: 001; REVISION: A1
0 PLACES ± / ±		DRWN: MWOLSZCZAK 2009/06/30	
ANGULAR TOL ± °		APPR: GOGRODNIK 2009/07/01	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION; DRAWING: A3-SIZE; SERIES: 121055	MATERIAL NUMBER: SEE TABLE; CUSTOMER: GENERAL MARKET; SHEET NUMBER: 1 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/27 09:09:16

FORMAT: Mel-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01

E	6	5	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:
2=3 PRZEWODY,
3=3 PRZEWODY+UZIEMIENIE,
A= M12 PROSTY,
B=M12 90°

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.

DLUGOS KABLA W METRACH (L1)
CABLE LENGHT IN METERS (L1)
A=1
B=1,5
C=2
D=2,5
E=3
F=3,5
G=4
H=4,5
L=5
M=5,5
N=6
P=6,5
Q=7
R=7,5
S=8
T=8,5
U=9
K=10

DLUGOSC KABLA W CM MIEDZY DWOMA OBUDOWAMI/CABLE LENGHT IN CM BETWIN 2 MOULDINGS
NP:50=50 CM,

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

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 CIRQUIT
PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION

NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR:

1= 12V	A= 12V	G= 12V
2= 24V	B= 24V	H= 24V
3= 48V	C= 48V	K= 48V
4= 115V	D= 115V	L= 115V
5= 230V	E= 230V	M= 230V
CZERWONA DIODA RED LED	ZIELONA DIODA GREEN LED	ZOLTA DIODA YELLOW LED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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 OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826029
DRWN: RAGHAH3 2025/06/20
CHK'D: GGA 2025/06/27
APPR: GGA 2025/06/27

INITIAL REVISION:
DRWN: MWOLSZCZAK 2009/06/30
APPR: GOGRODNIK 2009/07/01

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121055

molex

MPM E65XXXXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
E65XXXXXXXXXXX	PSD	001	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/27 09:09:16

FORMAT: Met-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01

TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180080	I	-	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	Czamny/Black	5,6+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Czamny/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	Czamy/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	Czamy/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	Czamy/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	Czamy/Black	5,5+/-0,2 mm	OK	OK.
	P	2	3	0,5 mm2	PUR - BLEND	Czamny/Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Czamy/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	Czamy/Black	6,5+/-0,2 mm	OK.	
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czamy/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	Czamny/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	Czamy/Black	7+/-0,2 mm	OK.	
	B	3	5	18 AWG	PUR CSA/UL 20668	Czamy/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	Czamny/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	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180071	P	3	3	0,75 mm2	PUR - BLEND	Czamy/Black	6,5+/-0,2 mm	OK.	
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czamy/Black	7+/-0,2 mm	OK.	
1210180384	R	3	3	0.75 mm2	TPR HAL. FREE	Czamy/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	Czamy/Black	6,5+0,2-0 mm	OK.	
1210180082	N	4	3	1 mm2	PVCH05	Czamy/Black	6,9+0,2-0 mm	OK.	
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Czamy/Black	-	-	-
1210180085	N	5	3	1.5 mm2	PVCH05	Czamy/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 purposecable which has good resistance to water, butusually 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	Zatwierdzione przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flameretardant and self extinguishing.Limited resistant to mineral oils.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.151 mm2 = 32 x 0.20
P	PVC	Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swellwhen constantly immersed in water.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.151 mm2 = 32 x 0.20
A	PVC	Zatwierdzony porzez CSA-UL 2661.Dobrarezystancja na wode słaba na olej./ Approved toCSA-UL 2661, application general purpose cablewhich has good resistance to water, but usuallypoor oil resistance.	20 AWG = 32 x 0.15 18 AWG = 52 x 0.15
B	PVC	Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystanja w oleju i chemikaljach./ Approved toCSA-UL 20668, very good resistance to oiland chemicals.	20 AWG = 32 x 0.15 18 AWG = 52 x 0.15

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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

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO:	826029	
DRWN:	RAGHAH3	2025/06/20
CHK'D:	GGA	2025/06/27
APPR:	GGA	2025/06/27
INITIAL REVISION:		
DRWN:	MWOLSZCZAK	2009/06/30
APPR:	GOGRODNIK	2009/07/01

molex

MPM E65XXXXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
E65XXXXXXXXXXX	PSD	001	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121055	SEE TABLE	GENERAL MARKET	3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/27 09:09:16

FORMAT: Met-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01

TABELA 3/CHART 3

MOLEX P/N	WOODHEAD P/N:
1210550038	E653P3NE1311C4H
1210550063	E653I3NE1411C4H
1210550065	E653I3NL1411C4H
1210550067	E65313NL1611C4H
1210550139	E652N2NL1511S02
1210550140	E653B3NL1311C4H
1210550143	E653P3NL201PSOB
1210550148	E653P3NE201PSOB
1210550157	E653P3NE2011C4H
1210550163	E653P3NE5011C4H
1210550169	E653P3NA131PC3H
1210550171	E653P3NC131PC3B
1210550174	E653P3NL2011C4H
1210550186	E653P3NC4014C4H

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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 OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826029
DRWN: RAGHAH3 2025/06/20
CHK'D: GGA 2025/06/27
APPR: GGA 2025/06/27

INITIAL REVISION:
DRWN: MWOLSZCZAK 2009/06/30
APPR: GOGRODNIK 2009/07/01

molex

MPM E65XXXXXXXXXXX

PRODUCT CUSTOMER DRAWING

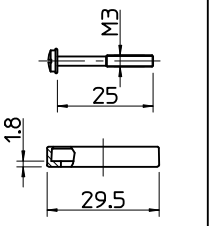
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
E65XXXXXXXXXXX	PSD	001	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121055	SEE TABLE	GENERAL MARKET	4 OF 4

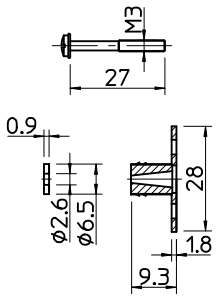
DOCUMENT STATUS	P1	RELEASE DATE	2025/06/27 09:09:16

FORMAT: Mel-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01

Screw M3x25
and Profile Gasket
Qty 2
(See sheet 2)



Screw M3x27
with Grommet
& Integreted Gasket
Qty 2
(See sheet 2)



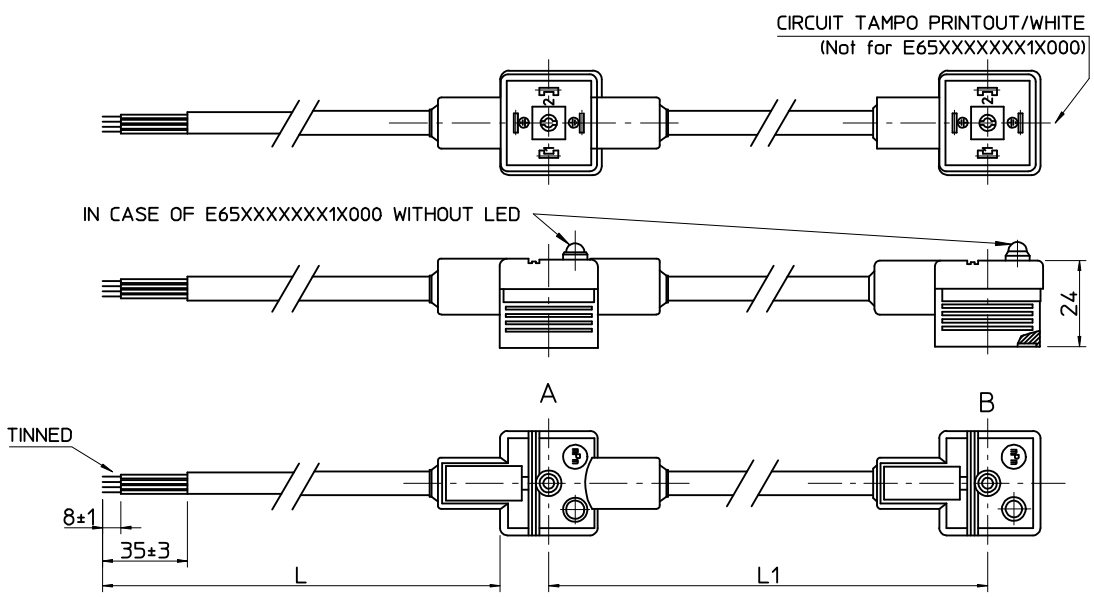
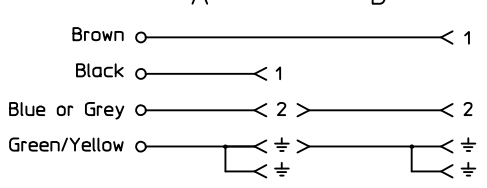


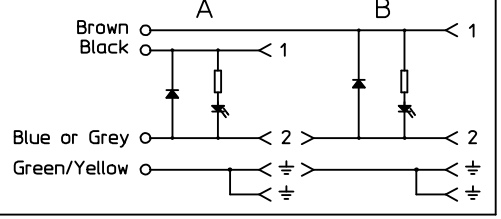
Table of lenght tolerances [mm]		
Over	Up to and including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

NOTE: Ground on schematics does not apply to E652XXXXXX1XXXX

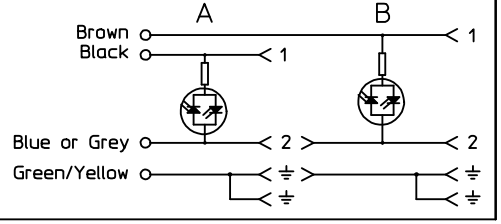
ELECTRICAL DIAGRAM
E653XXXXXX1X000 — 00



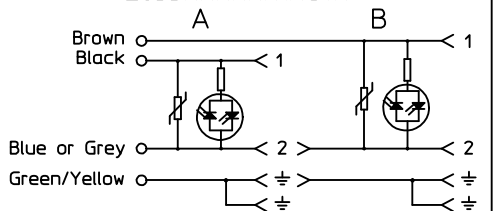
ELECTRICAL DIAGRAM
E653XXXXXX1XC3X — C3



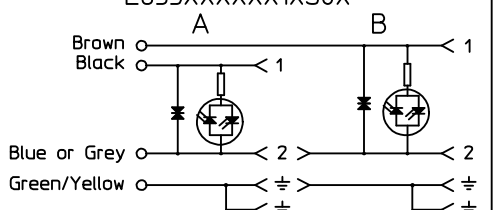
ELECTRICAL DIAGRAM
E653XXXXXX1XA1X — A1



ELECTRICAL DIAGRAM
E653XXXXXX1XC4X — C4



ELECTRICAL DIAGRAM
E653XXXXXX1XS0X — S0



DRAWING UPDATE
EC NO: IPG2013-1505
DRWN:JMARSZALEK 2013/03/28
CH'KD:
APPR:MIWASIECZKO 2013/04/02
DESCRIPTION
REV
B

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
SCALE
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: JMARSZALEK DATE: 2013/01/16
CHECKED BY: MSZWAJKOWSKI DATE: 2013/01/16
APPROVED BY: MIWASIECZKO DATE: 2013/02/12

TITLE
E65XXXXXXX1XXXX
DUAL DIN FORM A

molex

MATERIAL NO.: SEE SHEET 2&3
DOCUMENT NO.: SD-121055-001
SHEET NO.: 1 OF 4
SIZE: A3

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

10	9	8	7	6	5	4	3	2	1

E 6 5 X X X X X X X 1 X X X X

E - Packing without bags
W - Single packing
Q - Quick packing

NUMBER OF WIRES:
2=2 POLES
3=2 POLES+GROUND

CABLE TYPE
SEE TABLE 1

CABLE CROSS SECTION AREA
SEE TABLE 2

HEAD COLOUR:
G=GREY
N=BLACK
T=TRANSPARENT
A=CSA-UL BLACK
B=CSA-UL GREY

CABLE LENGHT IN METERS (L)
A=1
B=1,5
C=2
D=2,5
E=3
F=3,5
G=4
H=4,5
L=5
M=5,5
N=6
P=6,5
Q=7
R=7,5
S=8
T=8,5
U=9
K=10

CABLE LENGHT IN CM BETWIN 2 MOULDINGS (L1)
Eg.:050=50 CM, 300=300 CM, 10K=1000 CM

EARTH PIN LOCATION:
1=DOUBLE EARTH ON 6H AND 12H.

TYPE OF GASKET AND SCREW:
1=NBR PROFILE GASKET + FIXING SCREWS (M3x25 mm).
2=NBR FLAT GASKET + FIXING SCREW (M3x25 mm).
3=SILICONE PROFILE GASKET + FIXING SCREW (M3x25 mm).
4=SILICON FLAT GASKET + FIXING SCREW (M3x25 mm).
P=INTEGRATED GASKET ASSEMBLED + FIXING SCREW WITH GROMMET ASSEMBLED (M3x27 mm).
R=INTAGRATED GASKET + FIXING SCREW + GROMMET (M3x27 mm).
T=PROFILE GASKET + FIXING SCREW + GROMMET (M3x27 mm).

INTERNAL CIRCUIT
WIRING CONFIGURATION

VOLTAGE AND LED COLOUR:

RED LED	GREEN LED	YELLOW LED
1= 12V	A= 12V	G= 12V
2= 24V	B= 24V	H= 24V
3= 48V	C= 48V	K= 48V
4= 115V	D= 115V	L= 115V
5= 230V	E= 230V	M= 230V

DRAWING UPDATE
EC NO: IPG2013-1505 2013/03/28
DRWN: JMARSZALEK 2013/04/02
CH'KD:
APPR: MIWASIECZKO
DESCRIPTION
REV
B

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
SCALE: 1:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: JMARSZALEK DATE: 2013/01/16
CHECKED BY: MSZWAJKOWSKI DATE: 2013/01/16
APPROVED BY: MIWASIECZKO DATE: 2013/02/12
MATERIAL NO.: SEE SHEET 2&3

TITLE
E65XXXXXXX1XXXX
DUAL DIN FORM A

molex

DOCUMENT NO.: SD-121055-001
SHEET NO.: 2 OF 4
SIZE: A3

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

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	6,4±0,2 mm	OK.	-
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5,4±0,2 mm	OK.	OK.
1210180128	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±0,25 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	5,6±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	5,5±0,2 mm	OK.	OK.
-	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+0,3/-0 mm	OK.	OK.
1210180284	I	2	3	0,5 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	5,5+0,3/-0 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.	-
1210180022	N	2	2	0,5 mm2	PVCH03	Black	5,2±0,2 mm	OK.	OK.
1202092753	N	2	3	0,5 mm2	PVCH03	Black	5,5±0,2 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Black	6,9 mm max	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Black	5,5±0,2 mm	OK.	OK.
1202092439	P	2	3	0,5 mm2	PUR - BLEND	Black	5,5 +0,3/-0 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Black	6,5±0,2 mm	OK.	OK.
1202092215	P	2	5	0,5 mm2	PUR - BLEND	Black	7+0,3/-0,1 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6,5±0,25 mm	OK.	-
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6,5±0,25 mm	OK.	-
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7±0,3 mm	OK.	-
1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7,8±0,25 mm	OK.	-
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6,8±0,2 mm	OK.	-
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6,5±0,2 mm	OK.	-
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0,2 mm	OK.	-
1210180463	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	6,5±0,2 mm	OK.	OK.
1210180145	D	3	4	0,75 mm2	PVC TI2 CEI 20-20	Grey	7,1±0,2 mm	OK.	-
1202098206	I	3	2	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7001	5,5±0,2 mm	OK.	-
1210180120	I	3	3	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	6±0,2 mm	OK.	-
1210180143	I	3	4	0,75 mm2	PVC CEI 2022 II O.R.	Grey RAL7035	7±0,2 mm	OK.	-
1210180032	N	3	2	0,75 mm2	PVCH05	Black	6,2±0,2 mm	OK.	-
1210180069	N	3	3	0,75 mm2	PVCH05	Black	6,5±0,2 mm	OK.	-
1210180144	N	3	4	0,75 mm2	PVCH05	Black	7,1±0,2 mm	OK.	-
1210180174	N	3	5	0,75 mm2	PVCH05	Black	8,0+0,2-0 mm	OK.	-
1202094190	P	3	2	0,75 mm2	PUR - BLEND	Black	6,5±0,2 mm	OK.	-

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	6,5±0,2 mm	OK.	-
1210180309	Y	3	3	0,75 mm2	SIL/0300	Red	6,5±0,2 mm	OK.	-
1210180081	F	4	3	1 mm2	CNOMO	Grey RAL7000	7,1+0,2/-0 mm	OK.	-
-	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 mm	OK.	
1210180082	N	4	3	1 mm2	PVCH05	Black	6,9±0,2 mm	OK.	
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Black	7,1±0,2 mm	OK.	-
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	4,8±0,2 mm	OK.	-
-	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	7,3±0,2 mm	OK.	-

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

DRAWING UPDATE
EC NO: IPG2013-1505 2013/03/28
DRWN: JMARSZALEK 2013/04/02
CH'KD:
APPR: MIWASIECZKO
DESCRIPTION
REV
B

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
SCALE: 1:1
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: JMARSZALEK DATE: 2013/01/16
CHECKED BY: MSZWAJKOWSKI DATE: 2013/01/16
APPROVED BY: MIWASIECZKO DATE: 2013/02/12
MATERIAL NO.: SEE SHEET 2&3

TITLE
E65XXXXXXX1XXXX
DUAL DIN FORM A

molex

DOCUMENT NO.: SD-121055-001
SHEET NO.: 3 OF 4
SIZE: A3

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PART LIST

Molex PN:	Engineering No.:
1210550161	E653P3NA1311C4H
1210550292	E653P3NA1311C4M