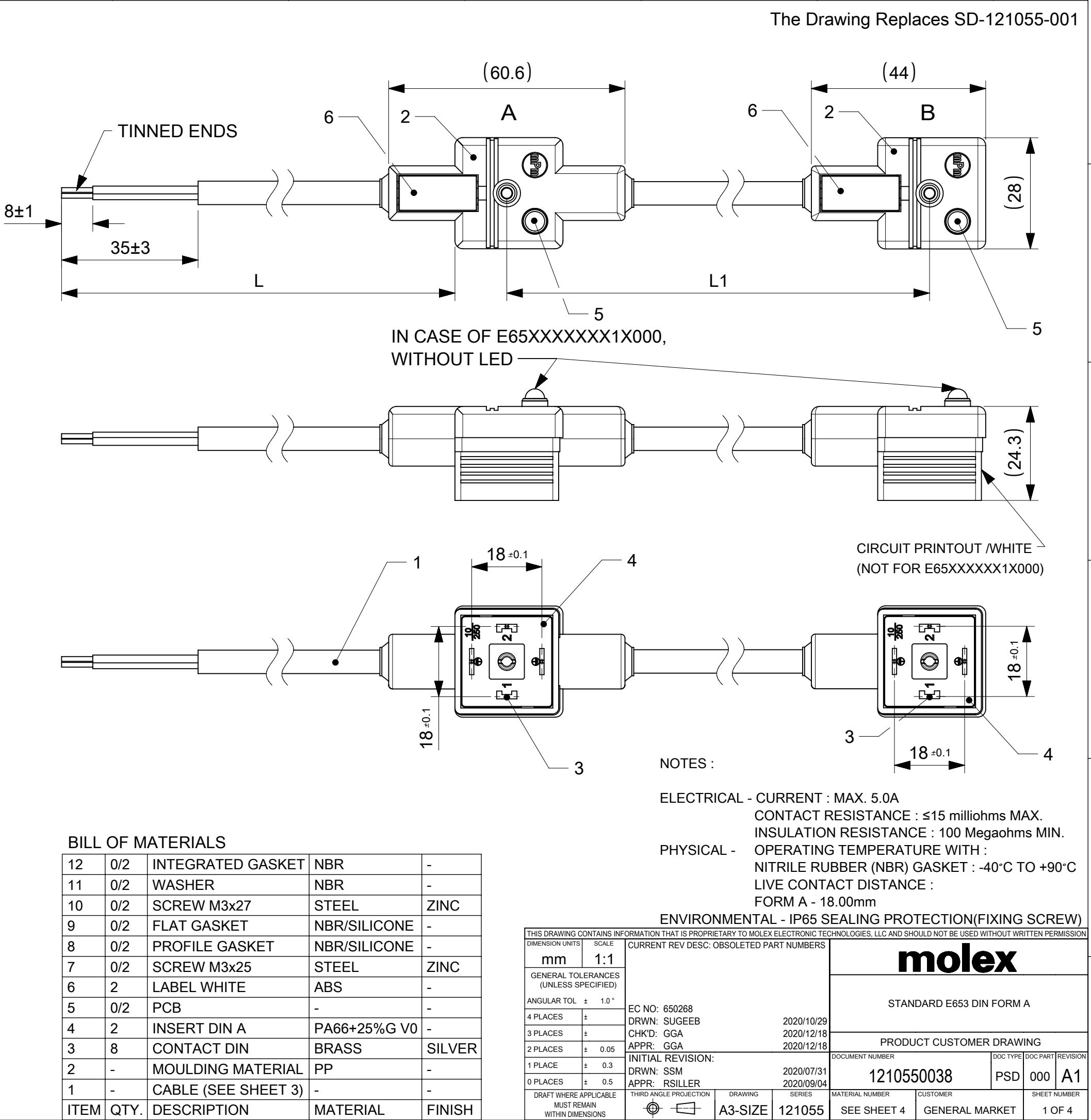
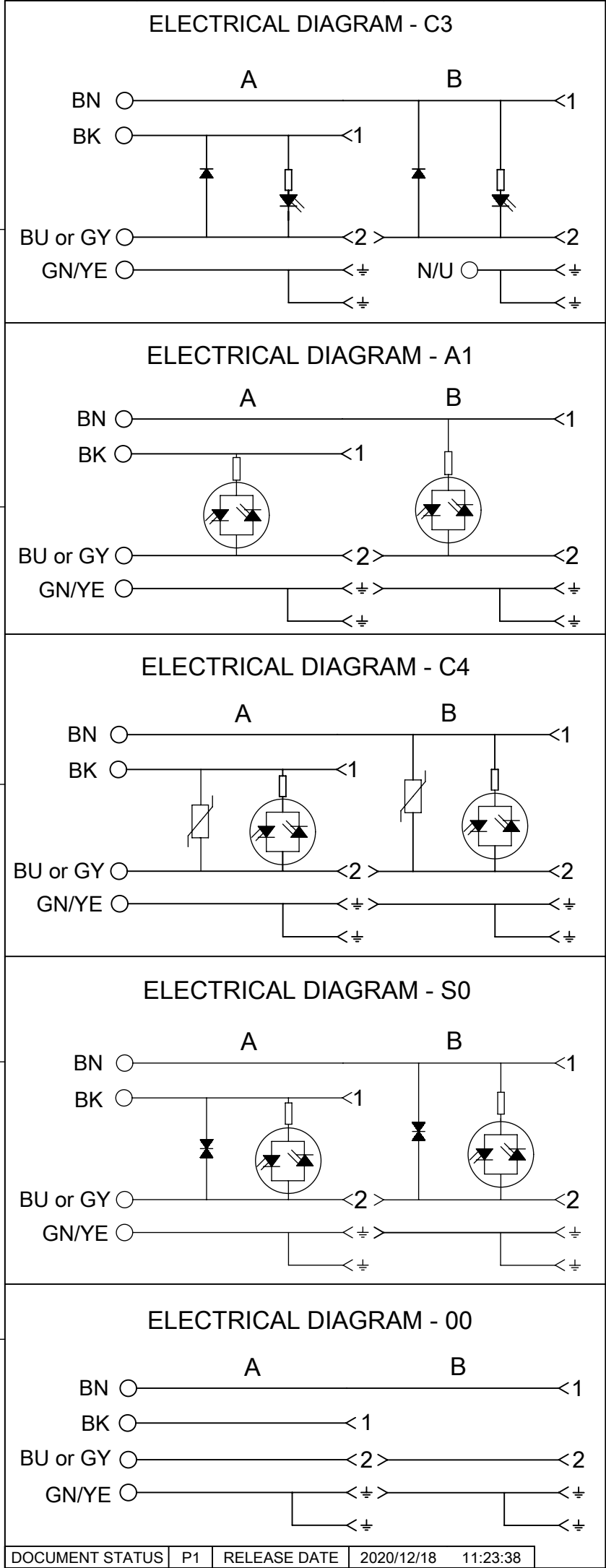




ENGINEERING No. MATRIX

E 6 5 3 X X X X X X 1 X X X X

E - Packing without bag
W - Single Packing
Q - Quick Packing

Number of Wires
2 - 2 Poles
3 - 2 Poles + Ground
A - M12 STR , B - 90°

Cable type:
See Table

Head Colour:
G - Grey
N - Black
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 Between
2 connectors (L1)
15=15 cm
30=30 cm
1K=100 cm
min length=13 cm

Earth PIN Location:
1=6/12 - earth on 6H/12H
2=12/1 earth on 12H
6=6/1 1 earth on 6H

Internal Circuit
see Wiring Configuration

Type of Gasket and Screw:
1 = NBR Profile Gasket + Fixing Screw M3x25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
3 = Silicone Profile Gasket + Fixing Screw M3x25mm
4 = Silicone Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

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

Type of Screws and Gaskets

Profiled Gasket

8

□ (29.5)

(5.2)

(1.8)

Flat Gasket

9

□ (28)

(1.8)

Integrated Gasket

12

□ (28)

(1.8)

(9.3)

Screw M3x25

7

(25)

M 3

Screw M3x27 + Washer

10

(27)

M 3

11

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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: OBSOLETE PART NUMBERS

EC NO: 650268
DRWN: SUGEEB
CHK'D: GGA
APPR: GGA

2020/10/29
2020/12/18
2020/12/18

INITIAL REVISION:
DRWN: SSM
APPR: RSILLER

2020/07/31
2020/09/04

moLEX

STANDARD E653 DIN FORM A

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1210550038

DOC TYPE
PSD

DOC PART
000

REVISION
A1

SEE SHEET 4

GENERAL MARKET

SHEET NUMBER
2 OF 4

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
121055

MATERIAL NUMBER

CUSTOMER

DATE: 2020/01/14

FORMAT: master-b-prod-A3

REVISION: J

RELEASE DATE: 2020/12/18

11:23:38

TABLE 1 - CABLES

mPm	Code	Wires	Cross Section	Material	Colour	Diameter $\varnothing$
I	0	3	1 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	6.4±0.2 mm
A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2 mm
A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2 mm
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
B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
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
D	2	3	0.5 mm ²	PVC TI2 CEI 20-20	Grey	5.5±0.2 mm
F	2	3	0.5 mm ²	CNEOMO	Grey RAL7000	5.5±0.2 mm
I	2	2	0.5 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
I	2	3	0.5 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
I	2	4	0.5 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	6.5±0.2 mm
I	2	5	0.5 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
N	2	2	0.5 mm ²	PVCH03	Black	5.2±0.2 mm
N	2	3	0.5 mm ²	PVCH03	Black	5.5±0.2 mm
N	2	4	0.5 mm ²	PVCH03	Black	6.9 mm max
P	2	2	0.5 mm ²	PUR-BLEND	Black	5.5±0.2 mm
P	2	3	0.5 mm ²	PUR-BLEND	Black	5.5+0.3/-0 mm
P	2	4	0.5 mm ²	PUR-BLEND	Black	6.5±0.2 mm
P	2	5	0.5 mm ²	PUR-BLEND	Black	7+0.3/-0.1 mm
A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
A	3	4	18 AWG	PVC CSA/UL 2661	Black	7±0.3 mm
A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25 mm
B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.8±0.2 mm
B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2 mm
B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.2 mm
D	3	3	0.75 mm ²	PVC TI2 CEI 20-20	Grey	6.5±0.2 mm
D	3	4	0.75 mm ²	PVC TI2 CEI 20-20	Grey	7.1±0.2 mm
I	3	2	0.75 mm ²	PVC CEI 2022 II O.R.	Grey RAL7001	5.5±0.2 mm
I	3	3	0.75 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	6±0.2 mm
I	3	4	0.75 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
N	3	2	0.75 mm ²	PVCH05	Black	6.2±0.2 mm
N	3	3	0.75 mm ²	PVCH05	Black	6.5±0.2 mm
N	3	4	0.75 mm ²	PVCH05	Black	7.1±0.2 mm
N	3	5	0.75 mm ²	PVCH05	Black	8.0+0.2/-0 mm
P	3	2	0.75 mm ²	PUR-BLEND	Black	6.5±0.2 mm

mPm	Code	Wires	Cross Section	Material	Colour	Diameter $\varnothing$
P	3	3	0.75 mm ²	PUR-BLEND	Black	6.5±0.2 mm
P	3	4	0.75 mm ²	PUR-BLEND	Black	7±0.2 mm
R	3	3	0.75 mm ²	TPR HAL. FREE	Black	6.5±0.2 mm
T	3	3	0.75 mm ²	PUR CSA/UL	Yellow	6.5±0.2 mm
Y	3	3	0.75 mm ²	SIL/0300	Red	6.5±0.2 mm
F	4	3	1 mm ²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
F	4	4	1 mm ²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
I	4	2	1 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
I	4	3	1 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
N	4	2	1 mm ²	PVCH05	Black	6.5±0.2 mm
N	4	3	1 mm ²	PVCH05	Black	6.9±0.2 mm
R	4	3	1 mm ²	TPR HAL. FREE	Black	7.1±0.2 mm
N	5	3	1.5 mm ²	PVCH05	Black	8.3+0.2/-0 mm
I	6	2	0.35 mm ²	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
I	9	4	0.75 mm ²	PVC CEI 2022 II O.R.	Grey RAL7035	7.3±0.2 mm

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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: OBSOLETE PART NUMBERS

EC NO: 650268
DRWN: SUGEEB
CHK'D: GGA
APPR: GGA

2020/10/29
2020/12/18
2020/12/18

INITIAL REVISION:
DRWN: SSM
APPR: RSILLER

2020/07/31
2020/09/04

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

STANDARD E653 DIN FORM A

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1210550038

DOC TYPE

PSD

DOC PART

000

REVISION

A1

SEE SHEET 4

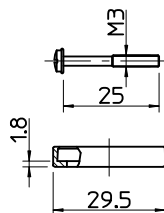
GENERAL MARKET

3 OF 4

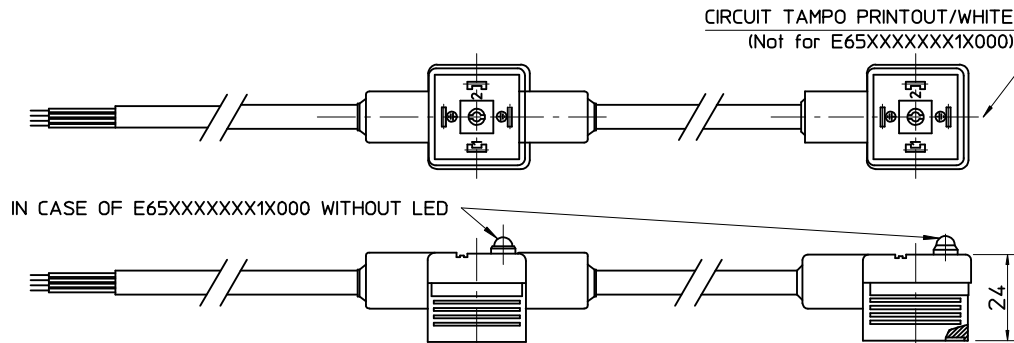
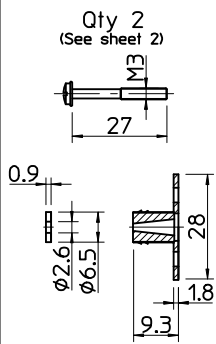
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2	1210503246	E653P3NK201PC45	42	1210550171	E653P3NC131PC3B	82	1210550338	E653P3NL131PC44	
3	1210503247	E653P3NW201PC45	43	1210550174	E653P3NL2011C4H	83	1210550357	E653A3AB1513C4H	
4	1210503402	E653P3NL2011C4L	44	1210550175	E653P3NC131P000	84	1210550358	E653P3NG131PC4H	
5	1210503500	E653B2AE131PC4H	45	1210550181	E653P3NE1311S0H				
6	-	-	46	1210550182	E653P3NN1511C42				
7	1210503502	E653B2AK131PC4H	47	1210550186	E653P3NC4014C4H				
8	-	-	48	1210550189	E653N3NE2211C42				
9	1210503504	E653B2AL131PC4H	49	1210550253	E653N3NA5011000				
10	-	-	50	1210550255	E653P3NB201PS0H				
11	1210550038	E653P3NE1311C4H	51	1210550256	E653P3NC151PS0H				
12	1210550048	E653P3NL2011000	52	1210550258	E653P3NA131PC4H				
13	1210550055	E653N3NA3011000	53	1210550261	E653P3NA1311C71				
14	1210550063	E653I3NE1411C4H	54	1210550266	E653B3AL2111C4H				
15	1210550065	E653I3NL1411C4H	55	1210550268	E653P3NK2011C4H				
16	1210550067	E653I3NL1611C4H	56	1210550269	E653P3NB1311C31				
17	1210550079	E653P3NC1312C3B	57	1210550273	E653P3NL5011C3H				
18	1210550080	E653B3AE1311C4H	58	1210550277	E653P3NU201PC4H				
19	1210550082	E653B3AE2111C4H	59	1210550280	E653P3NA151PS0H				
20	1210550083	E653N3NC8011000	60	1210550282	E653P3NB131PC31				
21	1210550086	E653P3NL1511C42	61	1210550283	E653N3NS2811000				
22	1210550089	E653P3NC1311000	62	1210550284	E653N3NP2221C4H				
23	1210550091	E653P3NE1611C4H	63	1210550285	E653N3NP2221C4L				
24	1210550098	E653P3NE201TS0H	64	1210550286	E653N3NP221000				
25	1210550120	E653N3NA2011A1B	65	1210550287	E653N3NP1321C4H				
26	1210550125	E653I3NK1411C4H	66	1210550288	E653N3NP1321C4L				
27	1210550126	E653P3NA1511C4G	67	1210550289	E653N3NP1321000				
28	1210550140	E653B3NL1311C4H	68	1210550290	E653P3NL201PC4H				
29	1210550142	E653N3NM1311C4H	69	1210550291	E653P3NL251PC4H				
30	1210550143	E653P3NL201PS0B	70	1210550298	E653P3NL251PC4M				
31	1210550147	E653P3NL1511C4H	71	1210550299	E653N3NA201PA1B				
32	1210550148	E653P3NE201PS0B	72	1210550311	E653A3AA161PC31				
33	1210550149	E653N3NL1361C4H	73	1210550312	E653A3AA161PC3A				
34	1210550156	E653P2NB3011C4B	74	1210550313	E653A3AA161PC3G				
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36	1210550159	E653P3NE1511C4H	76	1210550317	E653B3AK1311C4H				
37	1210550161	E653P3NA1311C4H	77	1210550318	E653B3AK2111C4H				
38	1210550163	E653P3NE5011C4H	78	1210550322	E653P3NC4014000				
39	1210550167	E653P3NL1311S0H	79	1210550324	E653P3NK201PS0B				
40	1210550168	E653P3NA3211C4H	80	1210550330	E653P3NL131PC35				

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: OBSOLETE PART NUMBERS					
mm		1:1		EC NO: 650268 DRWN: SUGEEB2020/10/29 CHK'D: GGA2020/12/18 APPR: GGA2020/12/18 INITIAL REVISION: DRWN: SSM2020/07/31 APPR: RSILLER2020/09/04					
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0 °									
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.05		DOCUMENT NUMBER 1210550038 DOC TYPE PSD DOC PART 000 REV A					
1 PLACE		± 0.3							
0 PLACES		± 0.5							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		121055	

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



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



IN CASE OF E65XXXXXX1X000 WITHOUT LED

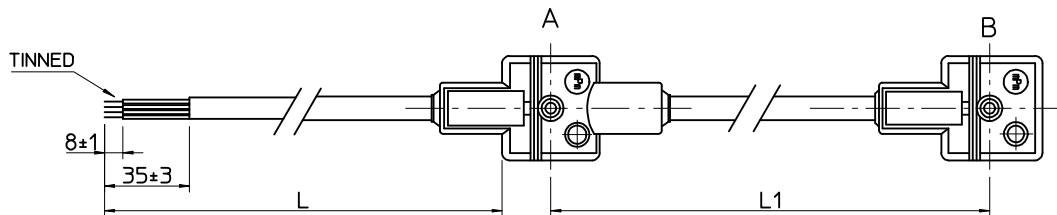
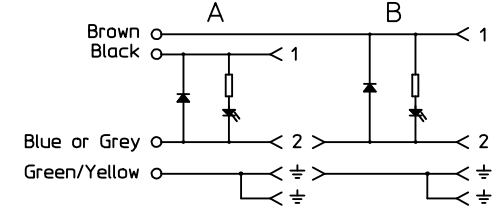


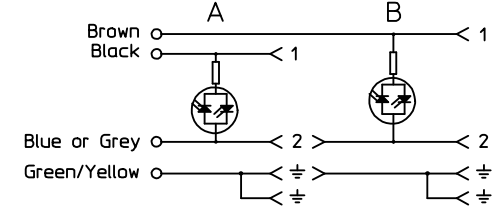
Table of lenght tolerances [mm]		
Over	Up to and including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

NOTE: Ground on schematics does not apply to E652XXXXXX1XXXX

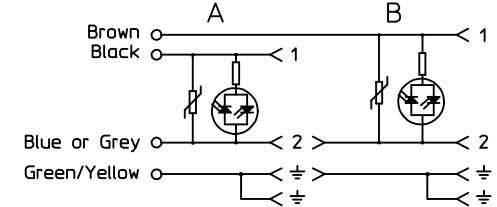
ELECTRICAL DIAGRAM
E653XXXXXX1XC3X



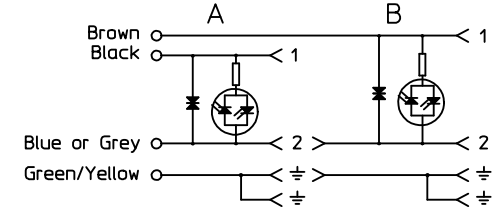
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E653XXXXXX1XA1X



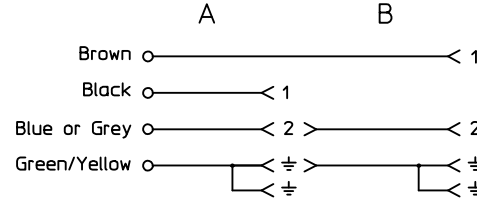
ELECTRICAL DIAGRAM
E653XXXXXX1XC4X



ELECTRICAL DIAGRAM
E653XXXXXX1XS0X



ELECTRICAL DIAGRAM
E653XXXXXX1X000

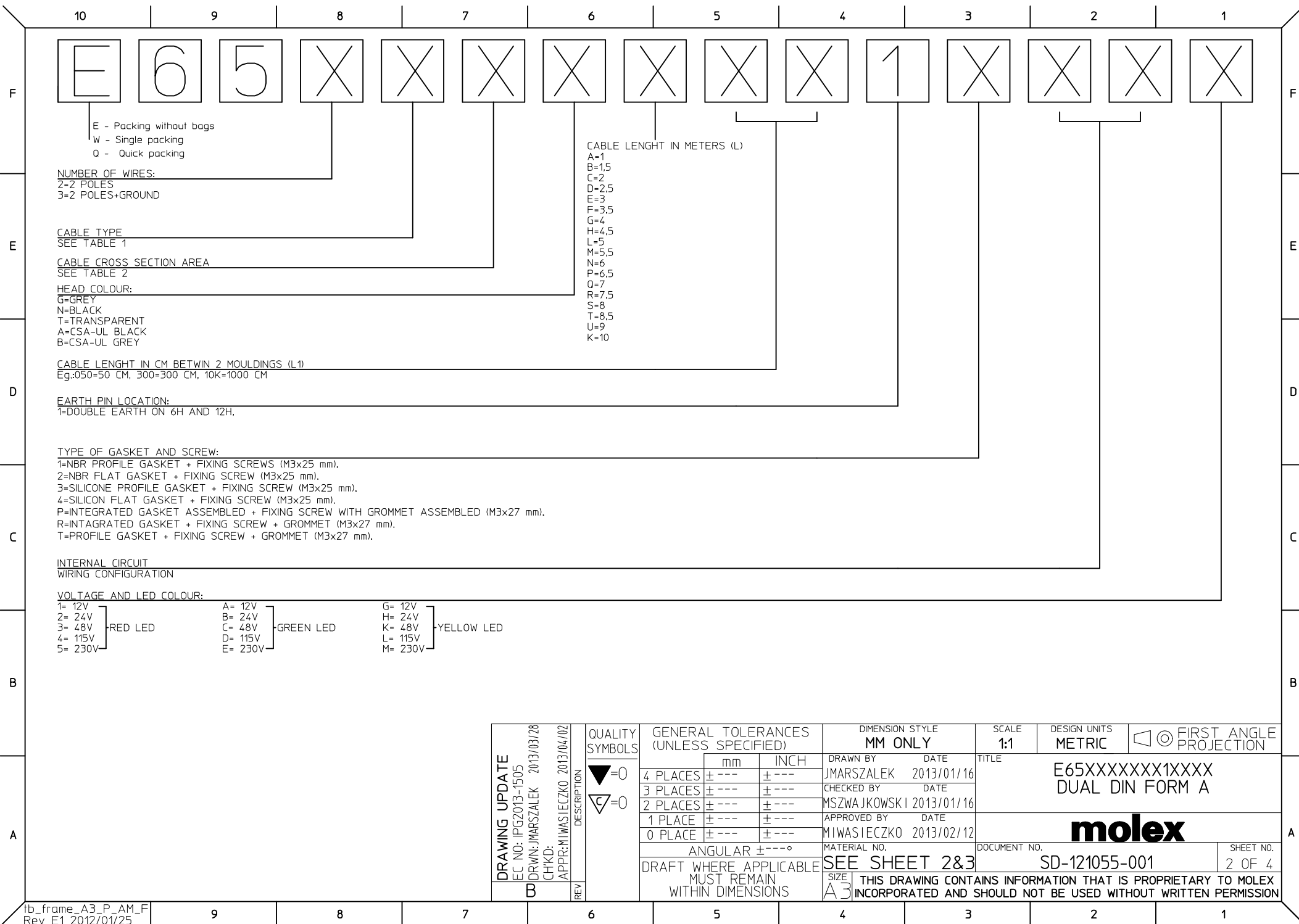


DRAWING UPDATE	
EC NO: IPG2013-1505	2013/03/28
DRWN: JMARSZALEK	2013/03/28
CHKD: CHYKO	2013/04/02
APPR: MIWASIECZKO	2013/04/02
REV	DESCRIPTION
B	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.1
3 PLACES	± 0.15
2 PLACES	± 0.2
1 PLACE	± 0.3
0 PLACE	± 0.5
ANGULAR ± 0.5°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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

SCALE	
MM ONLY	
DESIGN UNITS	
METRIC	
FIRST ANGLE PROJECTION	
E65XXXXXX1XXXX DUAL DIN FORM A	
molex	
DOCUMENT NO.	
SD-121055-001	
SHEET NO.	
1 OF 4	



10

9

8

7

6

5

4

3

2

1

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	5,6±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.	-
12101800309	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.	-
1210180038	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

B	DRAWING UPDATE EC NO: IPG2013-1505 DRWN: JMARZALEK 2013/03/28 CHKD: APPR: MIWASIECZKO 2013/04/02	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
JMARZALEK	2013/01/16
CHECKED BY	DATE
MSZWAJKOWSKI	2013/01/16
APPROVED BY	DATE
MIWASIECZKO	2013/02/12
MATERIAL NO.	
SEE SHEET 2&3	

SCALE 1:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
TITLE E65XXXXXXXX1XXXX DUAL DIN FORM A		
molex		
DOCUMENT NO. SD-121055-001		SHEET NO. 3 OF 4
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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PART LIST

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REV	DESCRIPTION
01	DRAWING UPDATE EC NO: IPG2013-1505 DRWN: JMARSZALEK 2013/03/28 CHKD: APPR: M I WASIECZKO 2013/04/02

QUALITY SYMBOLS	
	=0
	=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .005	± .0005
3 PLACES	± .004	± .0004
2 PLACES	± .003	± .0003
1 PLACE	± .002	± .0002
0 PLACE	± .001	± .0001
ANGULAR ± .001°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JMARSALEK	2013/01/16
CHECKED BY	DATE
MSZWAJKOWSKI	2013/01/16
APPROVED BY	DATE
MIWASIECZKO	2013/02/12
MATERIAL NO.	
SEE SHEET 2&3	
SIZE A3	THIS DRAWING CONT. INCORPORATED AND

SCALE 1:1	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION
TITLE E65XXXXXXXX1XXXX DUAL DIN FORM A		
molex		
DOCUMENT NO. SD-121055-001		SHEET NO. 4 OF 4
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Rev E1 2012/01/25

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