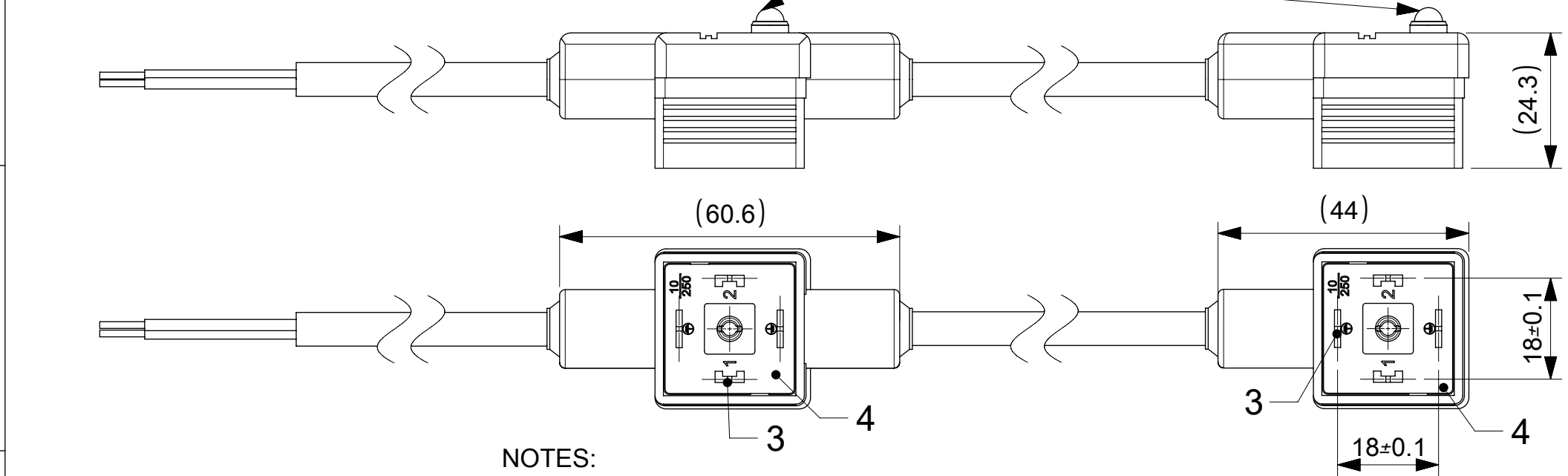


IN CASE OF E652XXXXXX1X000 WITHOUT LED

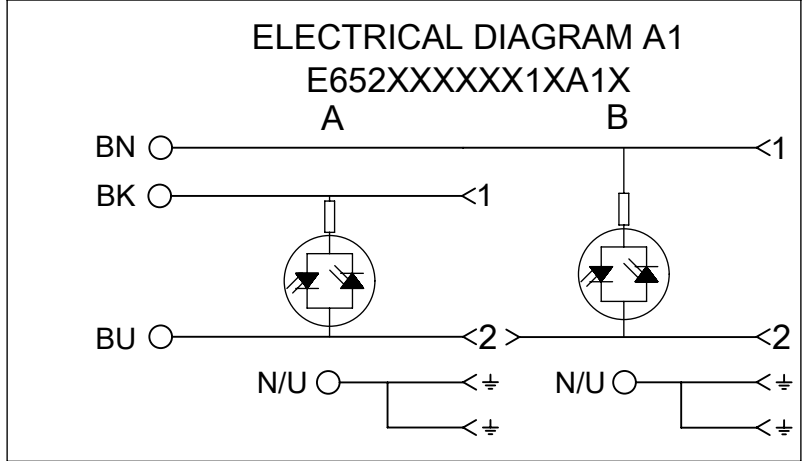
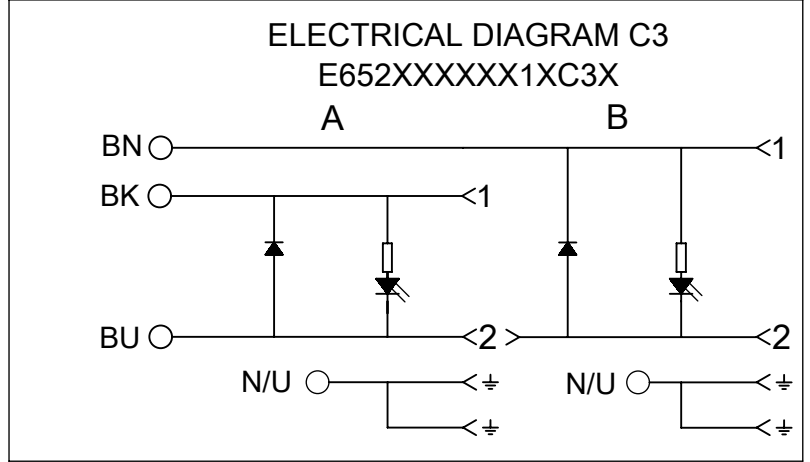
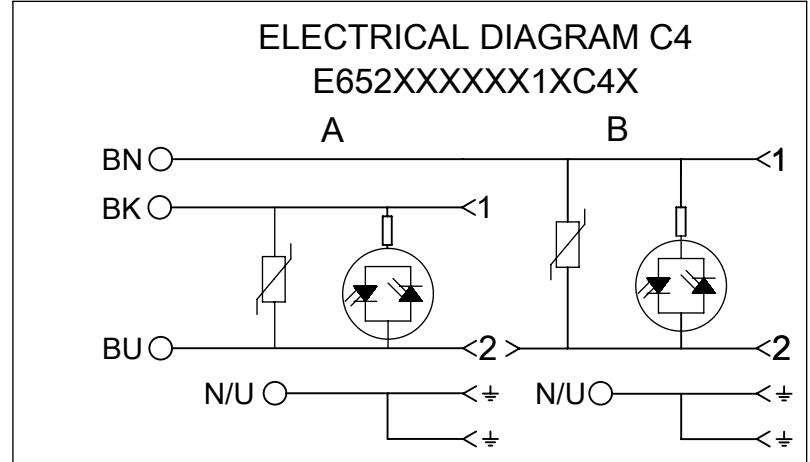
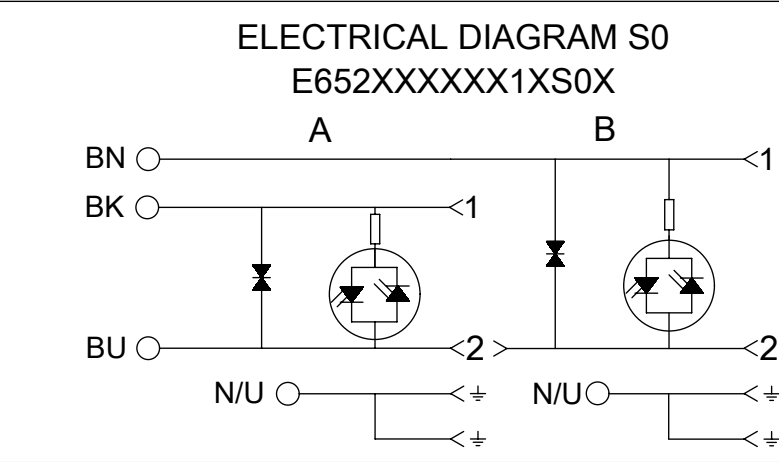
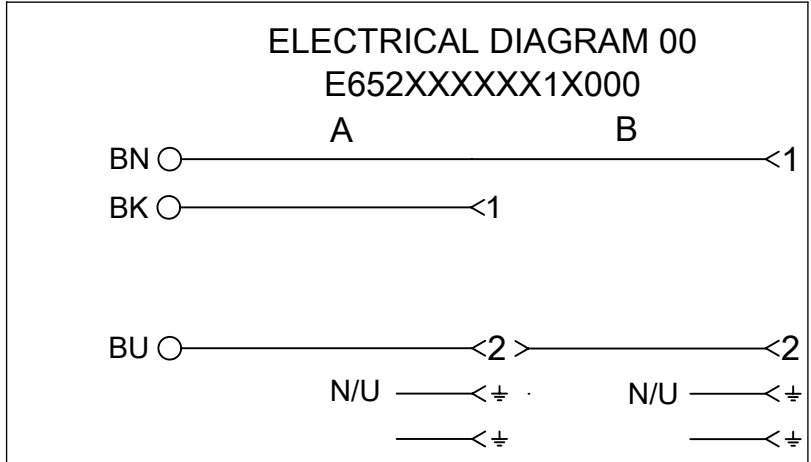


NOTES:
1. GROUND IS NOT CONNECTED

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	2020/09/04 13:21:28	



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)

FUNCTIONAL SYMBOLS A=0 E=0 F=0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: TOL. TABLE UPDATED		molex		
	DIMENSION UNITS	SCALE					
	mm	1:1			STANDARD E652 DIN FORM A DUAL		
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING		
DIVISIONAL SYMBOLS	ANGULAR TOL	± 1.0°			DOCUMENT NUMBER		
	4 PLACES	±			1210550123		
	3 PLACES	±			DOC TYPE DOC PART REVISION		
	2 PLACES	± 0.05			PSD 000 A1		
DIVISIONAL SYMBOLS	1 PLACE	± 0.3			SHEET NUMBER		
	0 PLACES	± 0.5			1 OF 3		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		
			A3-SIZE		SERIES		
				121055		MATERIAL NUMBER	
						CUSTOMER	
						GENERAL MARKET	

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

E652 XX XXXX 1 XXXX

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

Cable type:
See Table 1

Cable Cross Section Aera:
See Table 1

Head Color:
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 Betewen
2 Mouldings (L1)
Eg.: 15=15 cm
30=30 cm
1K=100 cm
min lenght=13 cm

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

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

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 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)

Profile Gasket +
Screw M3x25 mm

Flat Gasket +
Screw M3x25 mm

Profile Gasket +
Screw with Washer M3x27 mm

Integrated Gasket +
Screw with Washer M3x27 mm

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: TOL. TABLE UPDATED			
	DIMENSION UNITS	SCALE				
$\frac{E}{A} = 0$	mm	1:1				
$\frac{E}{F} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\frac{E}{D} = 0$	ANGULAR TOL ± 1.0 °					
DIVISIONAL SYMBOLS	4 PLACES	±				
	3 PLACES	±				
	2 PLACES	± 0.05				
	1 PLACE	± 0.3				
	0 PLACES	± 0.5				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	
				A3-SIZE	121055	
					MATERIAL NUMBER	CUSTOMER
					SEE SHEET 3	GENERAL MARKET
					DOC TYPE	DOC PART
					PSD	000
					REVISION	A1
					SHEET NUMBER	
					2 OF 3	

1		2		3		4		5		6		7		8		9		10	
TABLE 1 - CABLES																			
Molex PN	mPm	Code	Wires	Cross Section	Material	Colour	Diameter Ø												
1210180080	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												
1210180145	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												
DOCUMENT STATUS		P1	RELEASE DATE		2020/09/04	13:21:28													
FORMAT: master-B-prod-A3 REVISION: J DATE: 2020/01/14		9		8		7		6		5		4		3		2		1	

TABLE 2 - PART LIST	
MOLEX PN	ENGINEERING PN
1210550123	E652N3NC3011C3B
1210550139	E652N2NL1511S02
1210550160	E652N2NL151PS02
1210550206	E652N3NE1611C42
1210550207	E652N3NE1611C41
1210550254	E652P2NP1321C4H
1210550276	E652N2NL1611C4H
1210550278	E652N3NB3511000
1210550279	E652N3NL1611C4H
1210550281	E652P3NA1311A11
1210550297	E652N3NC1611000
1210550304	E652N2NE201PS02
1210550316	E652N2NE251PS02
1210550335	E652P3NA131PS0G
1210550336	E652P3NA151PS0G
1210550348	E652N2NE151PS02

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: TOL. TABLE UPDATED											
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL		± 1.0 °		EC NO: 642619 DRWN: SSM CHK'D: RSILLER APPR: RSILLER 2020/07/20 2020/09/04 2020/09/04											
	4 PLACES		±													
	3 PLACES		±													
	2 PLACES		± 0.05													
	DIVISIONAL SYMBOLS	1 PLACE		± 0.3		INITIAL REVISION: DRWN: APAWLAK01 APPR: MIWASIECZKO 2017/07/03 2017/07/05										
		0 PLACES		± 0.5												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING								SERIES				
				A3-SIZE		121055		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
								1210550123		PSD		000		A1		

SEE PART LIST		GENERAL MARKET		3 OF 3	
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