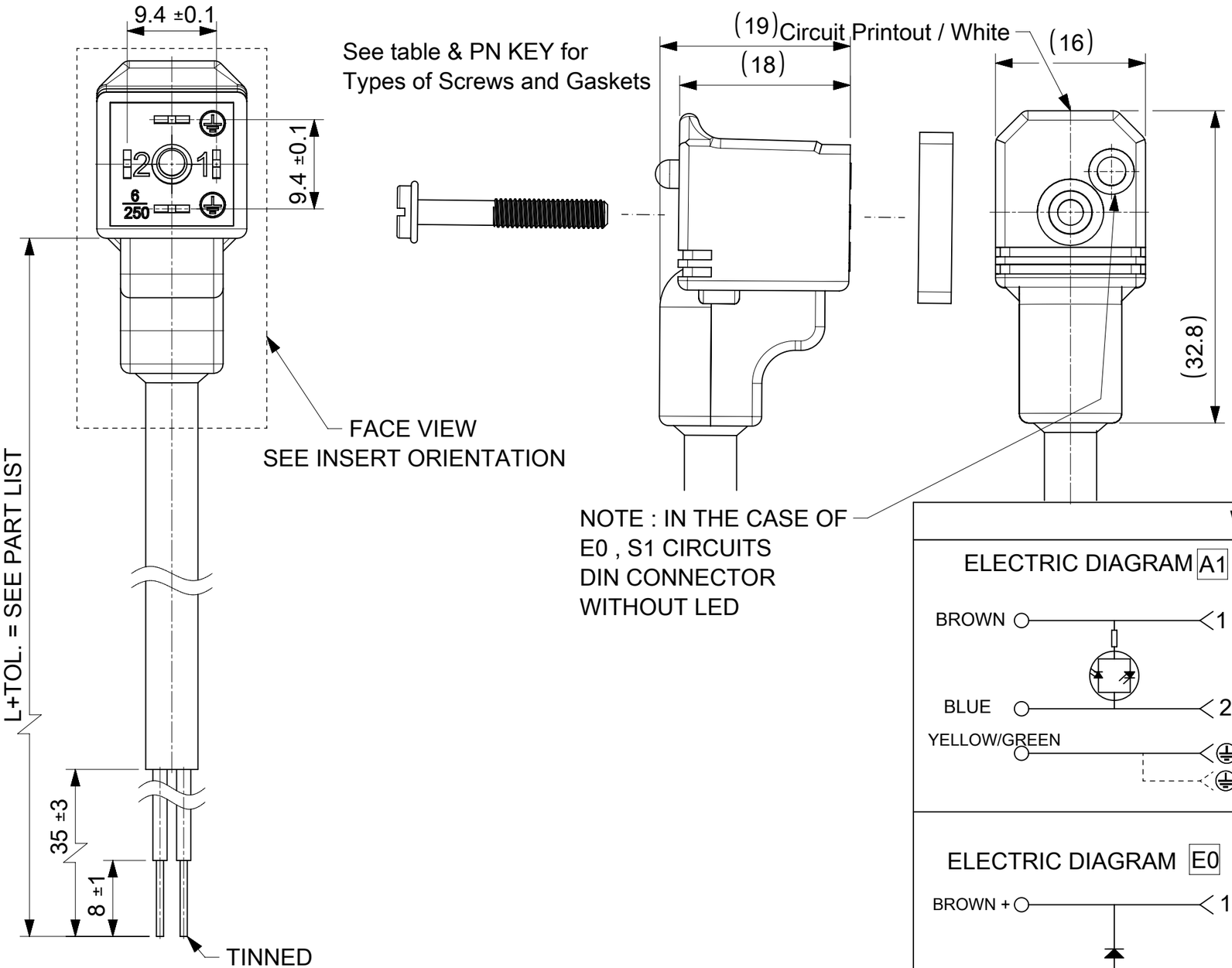
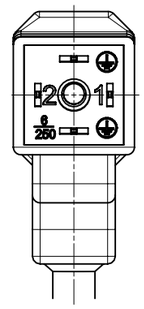
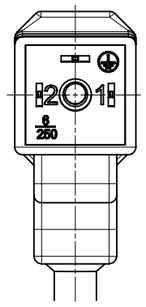
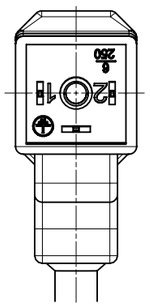
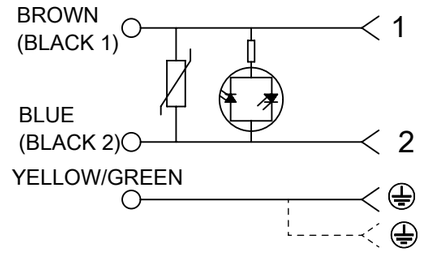


INSERT ORIENTATION		
EARTH ON 6H & 12H E39XXXXXXX1XXXX	EARTH ON 12H E39XXXXXXX2XXXX	EARTH PIN ON 6H E39XXXXXXX6XXXX
		

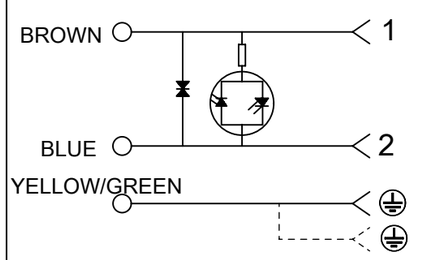
WIRING CONFIGURATION

ELECTRIC DIAGRAM A1

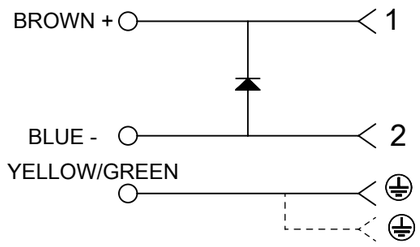
ELECTRIC DIAGRAM C4



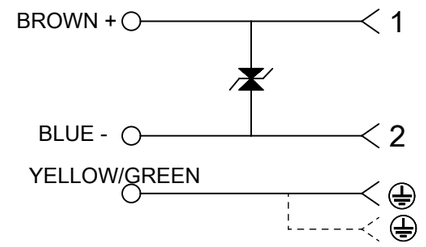
ELECTRIC DIAGRAM S0



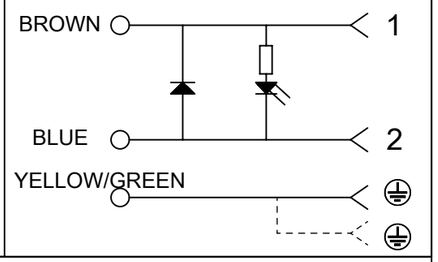
ELECTRIC DIAGRAM E0



ELECTRIC DIAGRAM S1

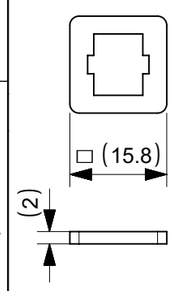
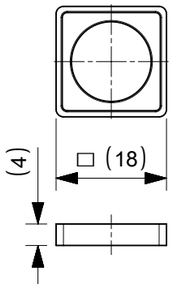
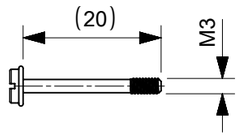
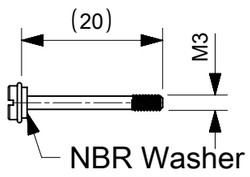


ELECTRIC DIAGRAM C3



NOTE : FOR E391XXXXXXXXXXX CIRCUIT WITHOUT GROUND

TYPES OF SCREWS AND GASKETS

Flat Gasket	Profiled Gasket	Screw M3x20
		
		Screw M3x20
		

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

CURRENT REV DESC:

EC NO: 723299
DRWN: APAWLAK01 2022/09/30
CHK'D: RSILLER 2022/09/30
APPR: RSILLER 2022/09/30

INITIAL REVISION:
DRWN: JMARSZALEK 2012/11/28
APPR: MIWASIECZKO 2013/02/12

molex

E39XXXXXXXXXXX
DIN FORM MICRO

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-121050-007	PSD	001	C2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121050	SEE TABLE	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/09/30 11:07:55

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

PART NO MATRIX :

E	3	9	X	X	X	X	X	X	X	X	X	X	X	X

E - Packing without bag

Number of wires:
1- 2 Wires
2- 2 Wires + Earth
3- 3 Wires + Earth

Cable type:
See Cable List

Head Colour :
G - Grey
N - Black
T - Transparent
A - CSA-UL Black
B - CSA-UL Grey

Cable Length [cm]:
050 = 50cm
300 = 300cm
10K = 1000cm

Earth PIN location (see insert orientation table):
1 =Double Earth on H6 & H12
2 = Earth on H12
6 = Earth on H6

Type of Gasket and Screw (see sheet 1) :
1 = NBR Profile Gasket + Fixing Screw (M3x20mm)
2 = NBR Flat Gasket + Fixing Screw (M3x20mm)
3 = Silicone Profile Gasket + Fixing Screw (M3x20mm)
4 = Silicone Profile Gasket + Screw (M3x20mm)
T = NBR Profile Gasket + Fixing Screw with Washer (M3x20mm)

Internal Circuit :
See Wiring Configuration

Voltage and LED Color :

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

CABLE LIST

MOLEX PN	NO. OF WIRES CODE (SEE PN MATRIX)	CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	WIRES COLOR
1210180467	1	A2	2	AWG 20	∅5.4±0.2 mm	PVC BLACK	BN, BU
1210180128	2	A2	3	AWG 20	∅5.6±0.2 mm	PVC BLACK	BN, BU, GN/YE
1210180394	3	A2	4	AWG 20	∅6.2±0.25 mm	PVC BLACK	BN, BU, BK, GN/YE
1210180047	1	I2	2	0.5mm²	∅5.5+0.3 mm	PVC GREY	BN, BU
1210180284	2	I2	3	0.5mm²	∅5.5+0.3 mm	PVC GREY	BN, BU, GN/YE
1210180146	3	I2	4	0.5mm²	∅6.5+0.2 mm	PVC GREY	BN, BU, BK, GN/YE
1210180022	1	N2	2	0.5mm²	∅5.2±0.2 mm	PVC BLACK	BN, BU
1202092753	2	N2	3	0.5mm²	∅5.5±0.2 mm	PVC BLACK	BN, BU, GN/YE
1210180153	3	N2	4	0.5mm²	∅5.9±0.3 mm	PVC BLACK	BN, BU, BK, GN/YE
1202092439	2	P2	3	0.5mm²	∅5.5+0.3 mm	PUR BLACK	BN, BU, GN/YE
1210180302	3	P2	4	0.5mm²	∅6.5±0.2 mm	PUR BLACK	BN, BU, BK, GN/YE
1202094190	1	P3	2	0.75mm²	∅6.5±0.2 mm	PUR BLACK	BN, BU
1210180126	2	B2	3	AWG 20	∅5.6±0.2 mm	PUR BLACK	BN, BU, GN/YE
1210180016	1	IA	2	0.25mm²	∅3.5±0.15mm	PVC GREY	BN, BU
1202090957	2	I8	3	0.5mm²	∅5.5±0.2 mm	PVC GREY	BN, BU, GN/YE

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

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INITIAL REVISION:
DRWN: JMARSZALEK 2012/11/28
APPR: MIWASIECZKO 2013/02/12

molex

E39XXXXXXXXXXX
DIN FORM MICRO

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-121050-007	PSD	001	C2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121050	SEE TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/09/30 11:07:55

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

PART LIST :

MOLEX PN	ENGINEERING NO.	LENGTH in MM
1210500022	E392A2A30011C4H	3000
1210500023	E392A2A30011C4L	3000
1210500033	E392I2N10012A1H	1000
1210500034	E392I2N10K11C4H	10000
1210500043	E392I2N25011C4H	2500
1210500046	E392I2N30011C42	3000
1210500047	E392I2N30011C4H	3000
1210500050	E392I2N36011C4H	3600
1210500051	E392I2N50011C3H	5000
1210500053	E392I2N50011C4H	5000
1210500062	E392N2N05012E05	500
1210500076	E392N2N10011C4H	1000
1210500078	E392N2N10012C42	1000
1210500082	E392N2N10012C4H	1000
1210500083	E392N2N10012C4L	1000
1210500102	E392N2N10K21C4B	10000
1210500104	E392N2N10K61C4B	10000
1210500126	E392N2N20011A1H	2000
1210500129	E392N2N20011C42	2000
1210500131	E392N2N20011C4B	2000
1210500135	E392N2N20011C4H	2000
1210500136	E392N2N20011S0H	2000
1210500139	E392N2N20014C43	2000
1210500150	E392N2N20021C4B	2000
1210500151	E392N2N20021C4D	2000
1210500157	E392N2N20061C4B	2000
1210500170	E392N2N30011A12	3000
1210500173	E392N2N30011C42	3000
1210500177	E392N2N30011C4H	3000
1210500180	E392N2N30012C43	3000
1210500181	E392N2N30012C4B	3000
1210500184	E392N2N30012C4H	3000
1210500185	E392N2N30012C4L	3000

MOLEX PN	ENGINEERING NO.	LENGTH in MM
1210500202	E392N2N50011A12	5000
1210500206	E392N2N50011C42	5000
1210500211	E392N2N50011C4E	5000
1210500212	E392N2N50011C4H	5000
1210500215	E392N2N50012C42	5000
1210500217	E392N2N50012C4H	5000
1210500218	E392N2N50012C4L	5000
1210500225	E392N2N50021C4B	5000
1210500226	E392N2N50021C4D	5000
1210500229	E392N2N50061C4B	5000
1210500232	E392P2N10012C4H	1000
1210500233	E392P2N10012C4L	1000
1210500236	E392P2N20011C4B	2000
1210500238	E392P2N30011C4H	3000
1210500239	E392P2N30012C4H	3000
1210500240	E392P2N30012C4L	3000
1210500243	E392P2N50012C4H	5000
1210501580	E392I2N06011C42	600
1210501660	E392I2N10011C4H	1000
1210501686	E392B2A11011C4H	1100
1210501692	E392P2N06011C4H	600
1210501697	E392I2N20011C32	2000
1210501736	E392N2N15K12C4H	15000
1210501745	E392B2A20011C4H	2000
1210501803	E392B2A50011C4H	5000
1210501987	E392P2N11011C4H	1100
1210502197	E392N2N2001TA1H	2000
1210502257	E392I2N10012C4H	1000
1210502268	E392A2A20011S0H	2000
1210502269	E392N2N10K11C4H	10000
1210502303	E392N2N05021C32	500
1210502315	E391IAN03011C4H	300
1210502342	E392A2A06011C4H	600

MOLEX PN	ENGINEERING NO.	LENGTH in MM
1210502422	E392N2N30011C4L	3000
1210502500	E392P2N10011C4H	1000
1210502556	E392N2N20K11C4H	20000
1210502563	E392I2N50011C44	5000
1210502610	E392A2A50011S0H	5000
1210502630	E392I2N20011S12	2000
1210502645	E392B2A10K11C4H	10000
1210502655	E392N2N30011A1H	3000
1210502657	E391A2A10011E05	1000
1210502663	E392N2N06011C4H	600
1210502674	E392I2N20012S12	2000
1210502978	E391N2N15011A12	1500
1210503052	E392A2A10011S0H	1000
1210503055	E392P2N03511C4H	350
1210503293	E392I2N15K11C4H	15000
1210503304	E392I2N50011C4L	5000
1210503314	E392N2N50011C4L	5000
1210503324	E392N2N10K11C45	10000
1210503349	E392P2N20011C4H	2000
1210503355	E392N2N30011C4M	3000
1210503408	E392A2A50011C4H	5000
1210503427	E392N2N10012C4M	1000
1210503437	E392P2N10011C4L	1000
1210503438	E392P2N10011C4M	1000
1210503458	E392I2N20012C42	2000
1210503459	E392I2N50012C42	5000
1210503462	E392I2N30012C45	3000
1210503472	E392N2N10011C4M	1000
1210503528	E392A2A20011C4H	2000
1210503530	E392P2N10K11S0H	10000
1210503557	E392N2N50011C45	5000
1210503592	E391N2N01512C4B	150
1210503613	E392I2N30011C426B	3000

TABLE OF LENGHT TOLERANCES		
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

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GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

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molex

E39XXXXXXXXXXX
DIN FORM MICRO

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-121050-007	PSD	001	C2

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121050 | MATERIAL NUMBER: SEE TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 3 OF 3

DOCUMENT STATUS: P1 | RELEASE DATE: 2022/09/30 11:07:55

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

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