

Task A – Material List			
Item No.	Item Description	Bunning No	Quantity
1	1.5mm SDI cable	I/N 0134951	100 mtr Roll-1 roll
2	2 core 1.5 TPS cable	I/N 4430079	100 mtr Roll-1 roll
3	2 core & Earth 1.5mm TPS	I/N: 4430079	100 mtr Roll-1 roll
4	4 pole sub board	I/N 0663359	10
5	Specrite 1800 x 405 x 18mm Timber Multi Use Pine Panel	I/N: 0419622	10
6	1200 x 1198mm 12mm Plywood Pine Premium BC Grade	I/N: 0390211	5
7	Batten Holder	I/N: 4430372	5
8	1-way shallow junction box	I/N 4330803	5
9	2-way shallow junction box	I/N 4330806	5
10	3-way shallow junction box	I/N4330812	5
11	1 gang 10 amp light switch	I/N7053856	5
12	2 gang 10amp light switch	I/N7053686	5
13	24v Doorbell switch	I/N: 0219564	5
14	Single 10amp GPO	I/N: 4430427	5
15	Double 10amp GPO	I/N: 4430414	5
16	2 core + earth 1.5mm medium duty flexible cable	I/N: 4430075	100 mtr Roll-1 roll
17	2 core + earth 1.5mm heavy duty flexible cable	I/N: 4430078	100 mtr Roll-1 roll
18	10amp 3 pin plug	I/N: 4330037	5
19	15amp 3 pin plug	I/N: 7053440	5
20	20mm conduit adapter	I/N: 4330865	10
21	25mm conduit adapter	I/N: 4330866	10

22	Plastic Enclosure	I/N: 4330860	10
23	Metal Mate 0.5 x 300 x 900mm Plain Aluminium Sheet - 300mm	I/N: 1112749	5
24	63amp 1 POLE MCB	I/N: 0167746	10
25	20amp 1 POLE MCB	I/N: 0167740	20
26	20amp 1 POLE MCB/RCD	I/N: 0131971	20
27	16amp 1 POLE MCB/RCD	I/N: 0131970	15
28	16mm PVC Duct	I/N: 4330857	1 numbers of 4 m
29	20mm PCV Duct	I/N: 4750031	1 numbers of 4 m
30	25mm PVC Duct	I/N: 4330854	1 numbers of 4 m
31	double sided tape	I/N: 3961938	10 rolls
32	Magnetic sensor	I/N: 0427911	5
33	300mm x 300mm switchboard surround	I/N: 4330992	15
34	Switch wire	I/N: 0121768	100 mtr Roll-1 roll
35	2 core 16mm XLPE Cable	I/N: 4430060	100 mtr Roll-1 roll
36	4 core 16mm XLPE Cable	I/N: 0663306	100 mtr Roll-1 roll
37	Din rail		

10 Feb 2025 Material List

**UEEEL0008 Heating**

1/Zeal Silicone Hot Mat Large 22cm - Bunnings Australia

[https://www.bunnings.com.au/zeal-silicone-hot-mat-large-22cm\\_p0158784](https://www.bunnings.com.au/zeal-silicone-hot-mat-large-22cm_p0158784)

Buy one

2/Thermostat 30-120 C - 16A, Used in Urns. 870mm Capillary. 102 x 6 bulb Single contact (with Stuffing Gland -- L4-6 | Barling Elements

<https://www.barlingelements.com.au/product/thermostat-30-120-c-16a-used-in-urns-870mm-capillary-102-x-6-bulb-single-contact-with-stuffing-gland-l4-6/>

Buy two

3/2 Wire Porcelain Terminal Block | Jaycar Australia

<https://www.jaycar.com.au/2-wire-porcelain-terminal-block/p/HM3182>

Buy 6

4/Hot Water Element | High-Quality Water Heater Elements Online

<https://www.jaycar.com.au/2-wire-porcelain-terminal-block/p/HM3182>

Buy 4

5/Universal Hot Water Thermostat ST12-70 | 60-70deg universal - Quick fit

<https://www.sparkydirect.com.au/p/Universal-Hot-Water-Thermostat-ST12-70-60-70deg-universal-Quick-fit>

Buy 3

6/Energy Regulator Simmerstat Suits VESTEL - 32001411 – Opaque White Goods

<https://opaquewhitegoods.com.au/products/energy-regulator-simmerstat-suits-vestel-32001411>

Buy 3

7/Porta 42 x 42mm 1.2m DAR Square General Purpose Pine - Bunnings Australia

[https://www.bunnings.com.au/porta-42-x-42mm-1-2m-dar-square-general-purpose-pine\\_p0021181](https://www.bunnings.com.au/porta-42-x-42mm-1-2m-dar-square-general-purpose-pine_p0021181)

Buy one pack

UEEEL0024 AC Motors+UEEEL0019 DC Motors+UEEEL0025 Transformer

Products | Electric Motor Education

<https://electricmotoreducation.com.au/products/>

To order



[71-0-B100-A : Motor/Generator - 60W, 24Vdc](#)

ORDER 1

Compare



[63-1-L8240-A : Prime Mover - 240Vac, Single Phase - 2 pole, dual Capacitor SCIM](#)

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[71-1-H100-A : Motor - Single Phase, 44W, 4 pole, 41.5 Vac, 50Hz, SCIM](#)

Compare



[71-3-L004-A : Motor, 3 phase, 44W, 4 pole, 41.5Vac, 50Hz, SCIM](#)

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[71-1-Cpf001 Capacitor - External Bank-Power Factor Correctio](#)

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[56-0-L010-A : Eddy Current Dynamometer/Load/Brake](#)

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[71-0-B100-A : Motor/Generator - 60W, 24Vdc](#)

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[71-1-L900-A : Prime Mover - 240Vac, Single Phase - 4 pole, dual Capacitor SCIM](#)

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[71-1-H100-A : Motor - Single Phase, 44W, 4 pole, 41.5 Vac, 50Hz, SCIM](#)

ORDER 1



[71-3-L004-A : Motor, 3 phase, 44W, 4 pole, 41.5Vac, 50Hz, SCIM](#)

Inquire



[1550-0-300R : Starter - dc Shunt Field Rheostat](#)

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[71-1-Cpf001 Capacitor - External Bank-Power Factor Correction](#)

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[2415-0-T001 : Power Supply - Regulated, 0 > 24Vdc, 15A](#)

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[4204-1-SD001 : Transformer - Single Phase-100VA, 42/24Vac](#)

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[091002-B : Machine Bed Plate](#)

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[56-0-L010-A : Eddy Current Dynamometer/Load/Brake](#)

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[S446-X : Socket 4mm](#)

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<https://www.jaycar.com.au/high-quality-banana-piggyback-test-cables/p/WT5326>

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UEEEL0039

Tesla 18 Hole Earth / Neutral Bar | NB18

<https://www.mjselectricalsupplies.com.au/18-hole-earth-neutral-bar>

ORDER 4

UTILUX ER1314WC10-1 | 1.4m Earth stake, clamp & Warning Tag | Single Buy - Utilux

<https://www.sparkydirect.com.au/p/ER1314WC10-1/utilux-er1314wc10-1-1.4m-earth-stake-clamp-warning.html>

ORDER 4



[130603 : Power Supply - Distribution Box](#)

ORDER 1

[https://www.vevor.com.au/digital-phase-shifter-c\\_12555/vevor-10hp-digital-phase-shifter-30a-220v-single-phase-to-3-phase-converter-p\\_010291072472?srltid=AfmBOops9t81CZQMhKi1pHfIMPgOX0yIm9BoQtaGYCfbVkOAVSqJEZ2](https://www.vevor.com.au/digital-phase-shifter-c_12555/vevor-10hp-digital-phase-shifter-30a-220v-single-phase-to-3-phase-converter-p_010291072472?srltid=AfmBOops9t81CZQMhKi1pHfIMPgOX0yIm9BoQtaGYCfbVkOAVSqJEZ2)

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<https://www.nhp.com.au/product/24024100>

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NHP  
**NHP Control Transformer 240V AC to 24V AC 100VA**  
 Item No. 24024100  
 Product Range: Control Transformer

Download product datasheet

Stock availability

- In-Stock

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Fault switch—To be made

The following is to be ordered from Echoboard

<https://www.echoboards.net.au/>



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Order 1

You can call or e mail

tel:(02) 9791 0563

[info@echoboards.net.au](mailto:info@echoboards.net.au)

UEEEL0047

Renogy 175W 12V Fixed Solar Panel Kit | Supercheap Auto

[https://www.supercheapauto.com.au/p/renogy-renogy-175w-12v-fixed-solar-panel-kit/697966.html#srsltid=AfmBOorvdNsqCum6EI\\_Yk43ClgBnGFHO\\_j4HOWDdpFhG\\_urJaOGBIcfX&start=4](https://www.supercheapauto.com.au/p/renogy-renogy-175w-12v-fixed-solar-panel-kit/697966.html#srsltid=AfmBOorvdNsqCum6EI_Yk43ClgBnGFHO_j4HOWDdpFhG_urJaOGBIcfX&start=4)

ORDER 1

UEEEL0005

The following PLC products are to be ordered from Autechcontrol

GIC Genie NX Smart Relay

**Brand:** General Industrial Controls

**Product Code:** Genie NX

**Availability:** Call - 03 8753 4665

[https://autechcontrol.com.au/index.php?route=product/product&product\\_id=164](https://autechcontrol.com.au/index.php?route=product/product&product_id=164)

The screenshot shows a web browser window displaying the product page for the GIC Genie NX Smart Relay. The browser's address bar shows the URL: [autechcontrol.com.au/index.php?route=product/product&product\\_id=164](https://autechcontrol.com.au/index.php?route=product/product&product_id=164). The page features a search bar, a navigation menu with categories like 'PROCESS INSTRUMENTATION', 'POWER & ENERGY METERING', and 'ALL-IN-ONE CONTROLLERS / PLC', and a main content area. The main content area displays the product name 'GIC Genie NX Smart Relay', a product image, and key information: 'Brand: General Industrial Controls', 'Product Code: Genie NX', and 'Availability: Call - 03 8753 4665'. Below this, the 'List-Price: AUS275.00 ex-GST' is shown, along with a quantity selector set to '1' and buttons for 'ADD TO ENQUIRY' and 'Add to Wish List'. A 'Description' tab is active, showing a text block that reads: 'Now you can seamlessly implement automation in your electromechanical processes with GIC's Programmable Logic controller. It is a real-time system designed for multiple input and output arrangements and has applications in both, Industrial and Commercial sectors. Smart Relay Smart Relay'. Below the text are three bullet points: 'Supports upto 48 I/Os (32 Digital Inputs & 16 Digital Outputs)', '250 lines of ladder programming', and '16 soft text messages, Time Switches, Compare Counters, Timers, Counters & 12 Analog functions, 4 Hour'. The Windows taskbar is visible at the bottom of the screenshot, showing the time as 12:26 PM on 2/10/2025.

ORDER 2 by clicking the link

[https://autechcontrol.com.au/index.php?route=product/product&product\\_id=164](https://autechcontrol.com.au/index.php?route=product/product&product_id=164)



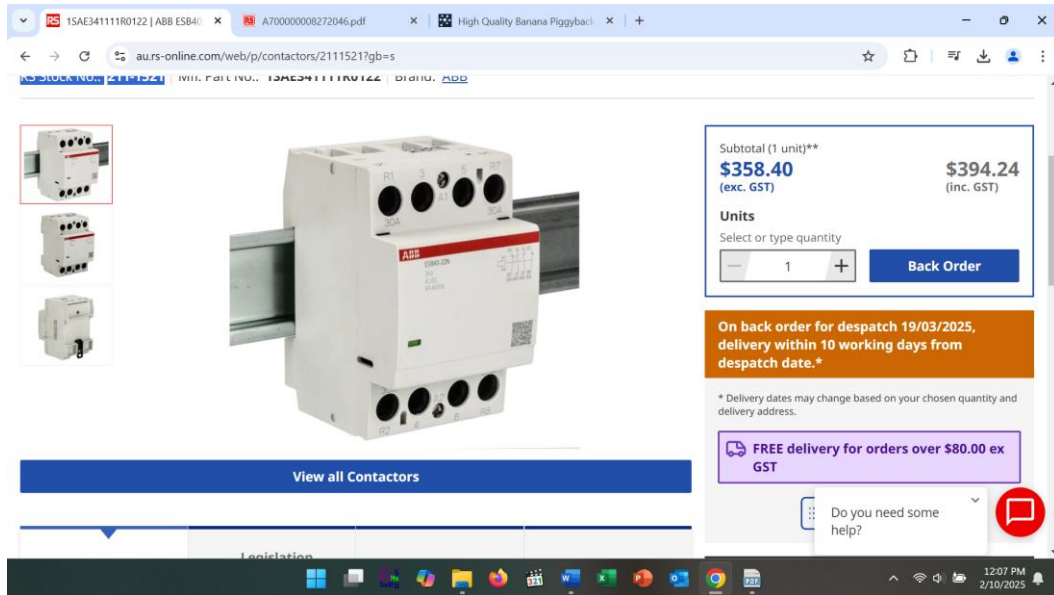
The following products are to be ordered from RS Online.

<https://au.rs-online.com/>

**ABB ESB40-22N-01 ESB Contactor, 24 V Coil, 4-Pole, 30 A, 9.2 kW, 2NO + 2NC**

RS Stock No.:

**211-1521**



Order TWO

**ABB B6-30-01 Contactor, 24 V Coil, 3-Pole, 20 A, 4 kW, 3NO**



ORDER 3

ABB Thermal Overload Relay 1NC/1NO, 13 → 16 A F.L.C, 16 A Contact Rating, 600 V dc, 3P, Thermal



[RS Stock No.:231-8976](#)

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[RS Stock No 896-6813](#)

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RS Stock No.: [145-0607](#)

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RS Stock No.: **145-0611**



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**RS Stock No.: 791-8573**

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