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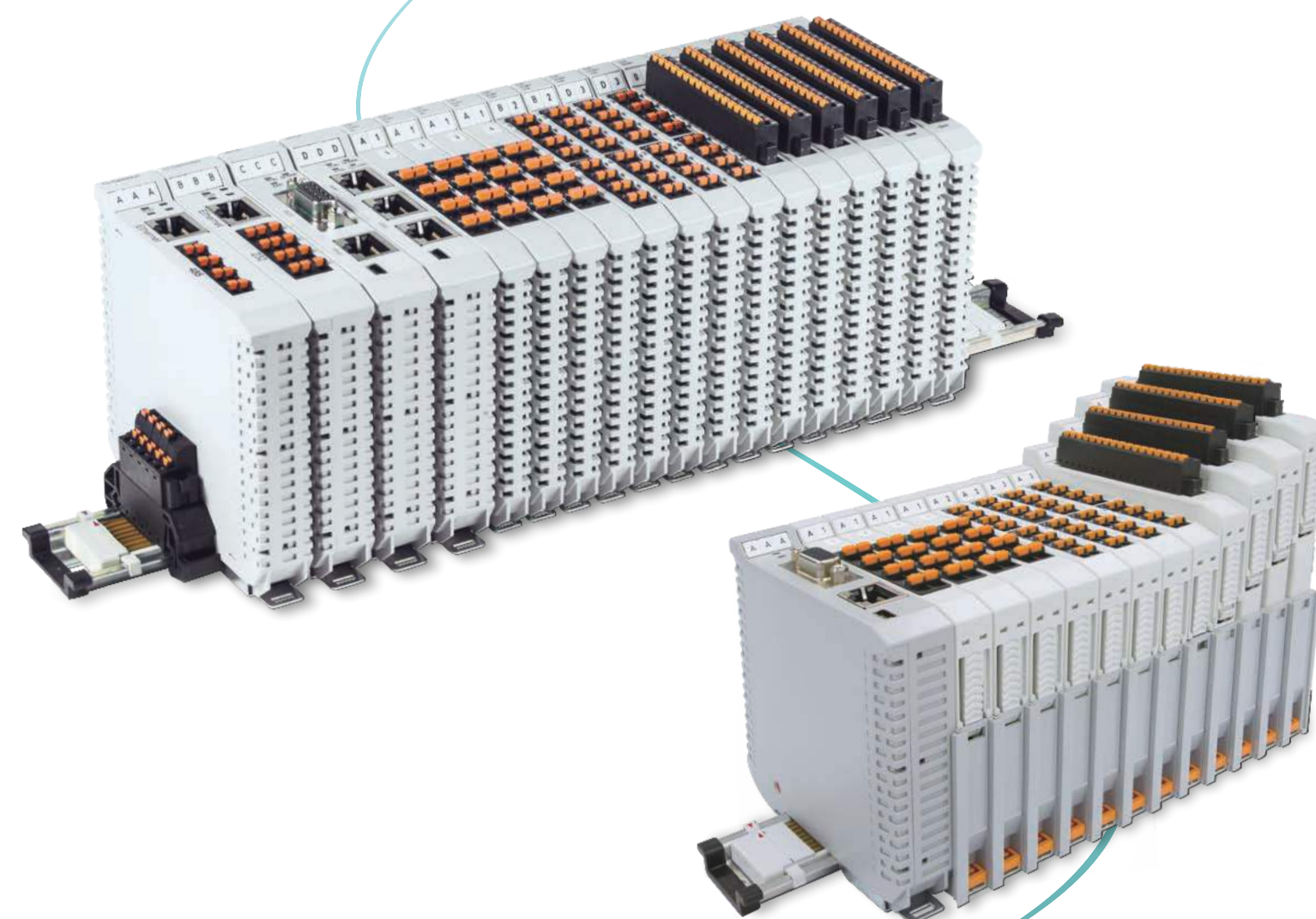
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Feb./2016



DINKLE BUS

Dinkle Bus 總線殼體包含總線板、模組盒、電源與配件四大部分。

◆ **總線板**：總線底板上固定8條鍍金（連續）總線端子，搭配TS-35 DIN 軌道。透過總線連接器進行訊號及電源連結，總線連接器與DIN 軌道連接作為接地端（大地）。BUS標準長度為150mm、200mm、250mm、300mm、360mm，另外提供訂製服務，長度最長可達1000 mm。

◆ **模組盒**：提供12mm及20 mm兩種厚度規格，每種模組盒皆可搭配總線連接器使用。模組盒均可使用配有LED光導的PID直插式外接端子。可應用於工業物聯網及工業4.0。

◆ **電源**

◆ **配件**：持續開發各類轉接、串接和跨接連接器、防塵蓋、終端蓋與標示牌等，系統組配與應用更加方便確實。

Dinkle Bus 總線殼體特點：

◆ **節省施工時間與線材**：Dinkle-Bus與PID接線技術結合，相較傳統方式節省80%的配線時間與線材。

◆ **清晰的指示設計**：每個接點均配有LED光導，隨時掌握接點工作狀態。

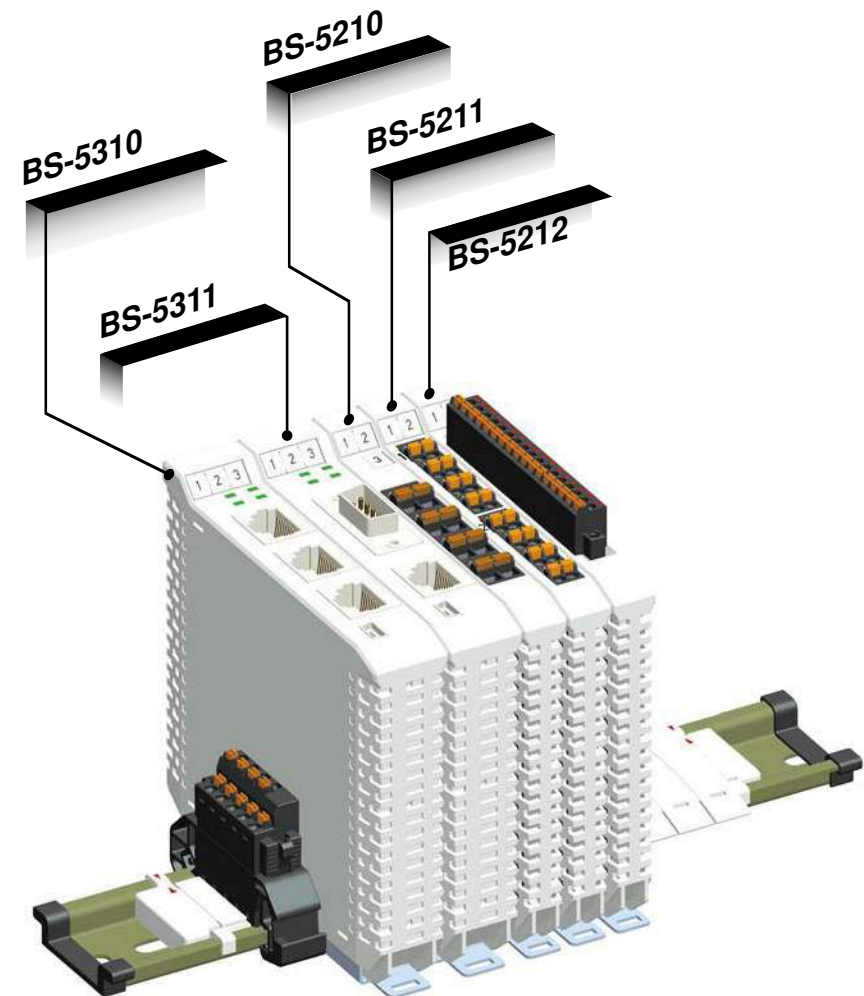
◆ **BUS連接器專利設計**：模塊透過BUS連接器與大地連接，確保訊號無干擾、電源使用安全。

◆ **專利防呆結構**：BUS總線底板特殊設計，完美避免組裝錯誤。

◆ **簡易明確的配線標示**：四進制編碼接點標示，與LED指示同位，配線施工過程更清晰方便。

◆ **選配靈活**：模組盒數量可自行擴充、總線端子數量及位置可自行定義、多款配件可提升使用時的便利性、安全性與可靠度。

◆ **適用於多種工業環境**：例如隔離柵、主控制器、IO擴充模塊等。



Dinkle Bus portfolio consists of the bus plate, enclosure, power supply and accessories:

◆ **BUS plate**: The bus plate integrates with max. 8 gold-plated terminals which can be perfectly installed on TS-35 DIN rail. Through the bus connector which is protected by the grounding contact, the bus plate provides a mutual platform for both signal and power transition. The standard lengths offered are 150mm, 200mm, 250mm, 300mm, and 360mm. There is also customized length available up to 1000mm maximum.

◆ **Enclosures**: The standard enclosures offer thickness options in 12mm and 20mm and can fit with bus connectors in application. The terminal blocks used on the enclosures feature PID (push in design) and LED light pipe, compatible to both Industrial Internet of Things (IIoT) and Industry 4.0 applications.

◆ **Power supply**

◆ **Accessories**: Various adapters, sockets, expansion connectors, bus covers, end stops and marking labels are available allowing the portfolio more convenient and practical.

Features of Dinkle Bus Portfolio:

◆ **Time and cost saving in wiring**: The advantages of bus & PID connectors reduce 80% time and cost saving in wiring in comparison with conventional ways.

◆ **Clear indication design**: Every contact matches with respective LED light pipe for better distinguishability of operational status.

◆ **Patented bus connector**: Via bus connector, modules can be protected by the grounding contact while connecting to the bus plate to ensure signal interference-free and safety in power supply.

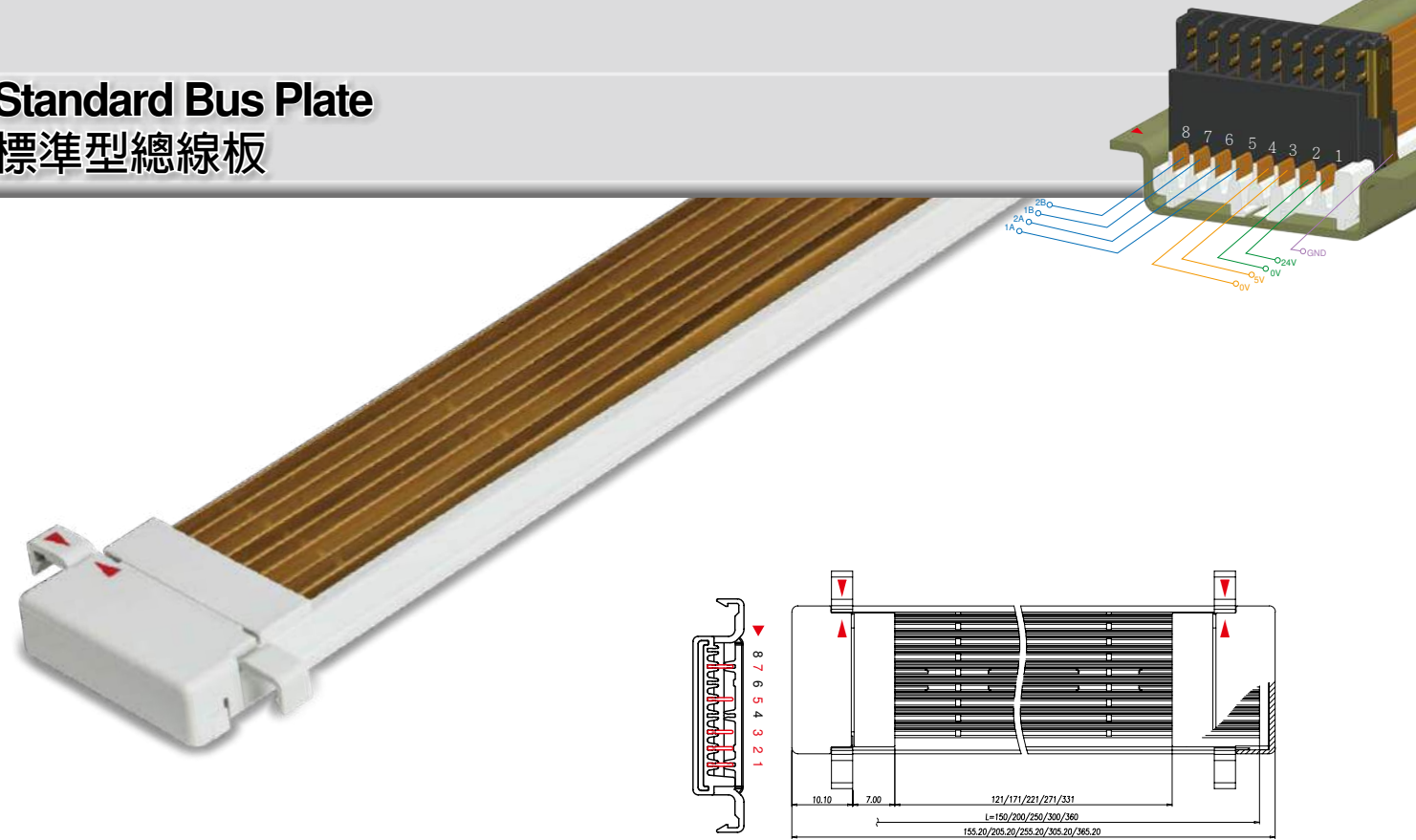
◆ **Patented misplacement-proofing**: The special-made bus plate can avoid the risk of misplacement while mounting modules.

◆ **Distinct marker**: Quaternary coding markers which locate near LED indicators are convenient and distinguishable while wiring.

◆ **Various combinations**: The enclosures are extensible, and the number of contacts and positions of the bus plate can be defined according to designer's requirement. Various accessories improve convenience, safety and reliability in varied installation.

◆ **Variety of application**: Isolated gate, main controllers, IO expansion modules...ect.

Standard Bus Plate 標準型總線板



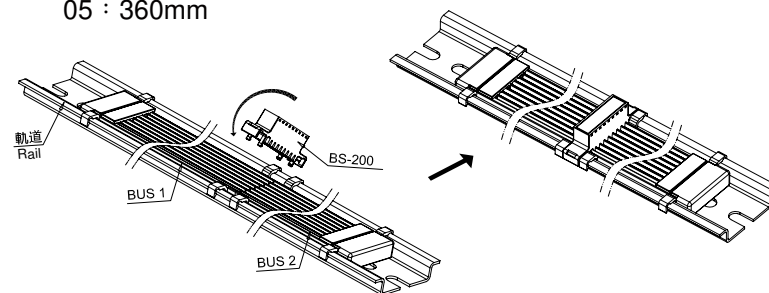
BS - 0 3 1 2 3 5 7
長度: 250
Length: 250
指: 第1,2,3,5,7條線
Means with terminal 1,2,3,5&7

BUS 共五種長度八條線/Bus with 8 terminals in 5 sizes

總線板 / Bus plate					
長度 / Length (mm)	150	200	250	300	360
八條線 / with 8 terminals	BS-010	BS-020	BS-030	BS-040	BS-050

品號為已含終端蓋/The part number means with end stops.

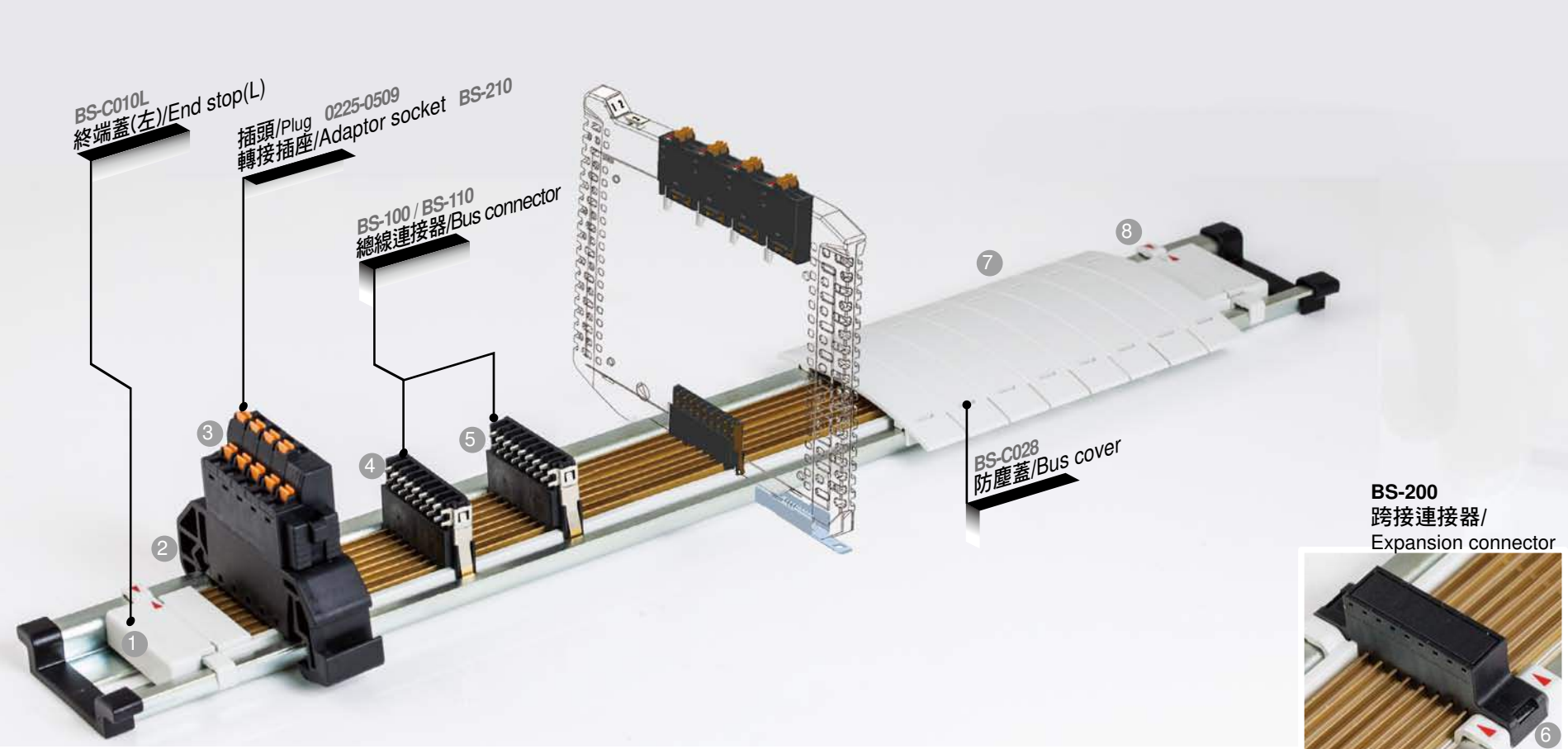
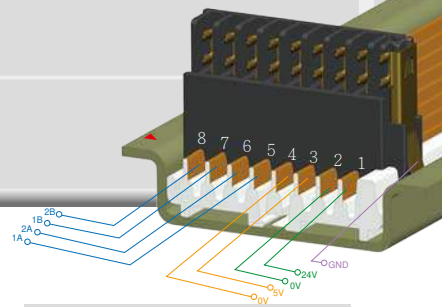
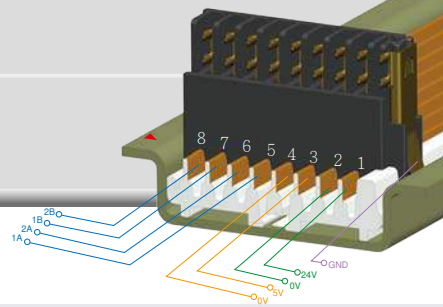
BS - 0 1 X
X為端子組合可標示為0或2~7位數字。
X means the terminal portfolio. It can be 0 or 2 ~ 7 digits.
0: 8條端子全滿
0: the bus with all 8 terminals.
2 ~ 7 位數: 由8條端子中的2 ~ 7條組合而成的總線端子。
2 ~ 7 digits: the combination by 2 ~ 7 of all 8 terminals.
長度/Length
01: 150mm
02: 200mm
03: 250mm
04: 300mm
05: 360mm



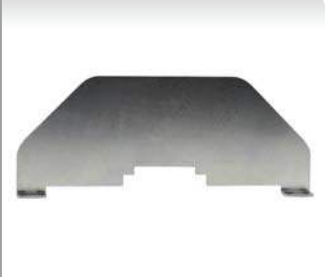
Terminal Code Table

Terminal #	Definition
1	24V
2	0V
3	5V
4	0V
5	1A
6	2A
7	1B
8	2B
9	GND

Accessories
相關配套零件

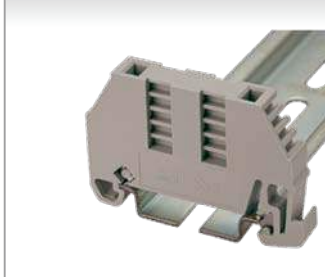


固定片/Supporting bracket
TS-35B



適用環境溫度/ Applied temperature	-40°C~+105°C
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限位器/End bracket
SS5



適用環境溫度/ Applied temperature	-40°C~+105°C
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限位器/End bracket
SS11



適用環境溫度/ Applied temperature	-40°C~+105°C
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終端蓋(左)/End stop(L)
BS-C010L



適用環境溫度/ Applied temperature	-40°C~+105°C
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轉接插座/Adaptor socket
BS-210



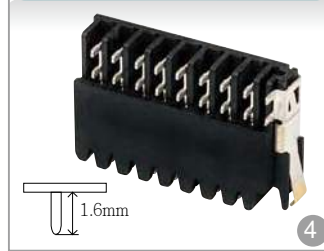
通道數/No. of channel	9
額定電壓/Rated voltage	150V
額定電流/Rated current	8A
耐電壓(UL/IEC)Max./ Rated withstand voltage	1600V
適用環境溫度/ Applied temperature	-40°C~+105°C

插頭/Plug
0225-0509



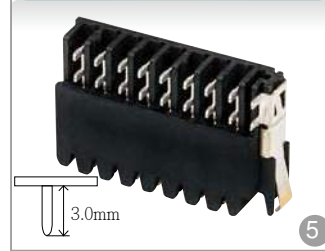
通道數/No. of channel	9
額定電壓/Rated voltage	150V
額定電流/Rated current	8A
耐電壓(UL/IEC)Max./ Rated withstand voltage	1600V
適用環境溫度/ Applied temperature	-40°C~+105°C

總線連接器/Bus connector
BS-100



焊針長度/pin length(mm)	1.60
通道數/No of channel	8
間距/pitch (mm)	2.54
額定電壓/Rated voltage	12V~150V
額定電流/Rated current	Max.8A
耐電壓(UL/IEC)Max./ Rated withstand voltage	1600V
適用環境溫度/ Applied temperature	-40°C~+105°C

總線連接器/Bus connector
BS-110



焊針長度/pin length(mm)	3.00
通道數/No of channel	8
間距/pitch(mm)	2.54
額定電壓/Rated voltage	12V~150V
額定電流/Rated current	Max.8A
耐電壓(UL/IEC)Max./ Rated withstand voltage	1600V
適用環境溫度/ Applied temperature	-40°C~+105°C

跨接連接器/Expansion connector
BS-200



焊針長度/pin length(mm)	--
通道數/pin length	8
間距/pitch(mm)	2.54
額定電壓/Rated voltage	12V~150V
額定電流/Rated current	Max.8A
耐電壓(UL/IEC)Max./ Rated withstand voltage	1600V
適用環境溫度/ Applied temperature	-40°C~+105°C

防塵蓋/Bus cover
BS-C028

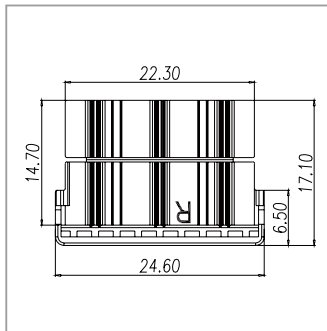
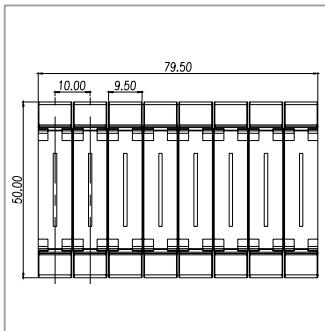
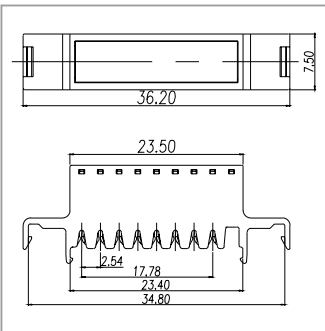
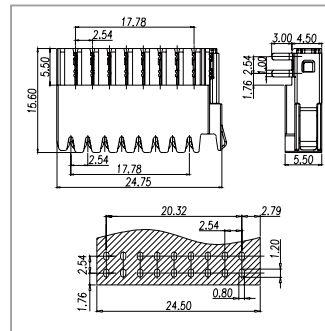
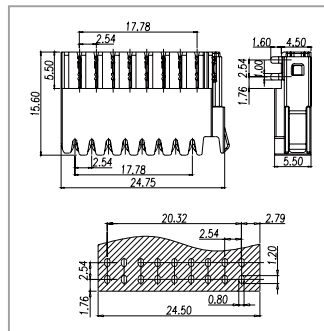
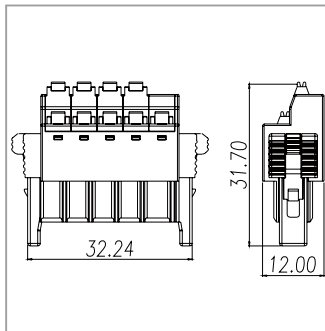
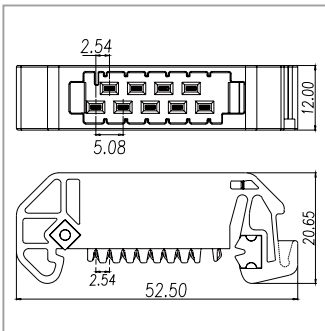
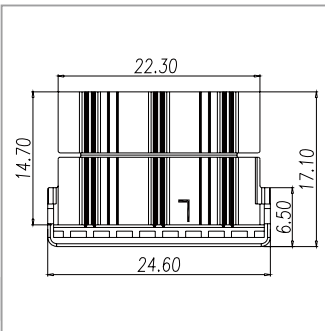


適用環境溫度/ Applied temperature	-40°C~+105°C
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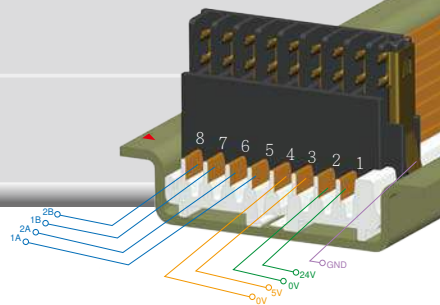
終端蓋(右)/End stop(R)
BS-C010R



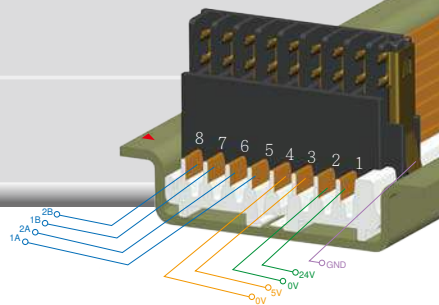
適用環境溫度/ Applied temperature	-40°C~+105°C
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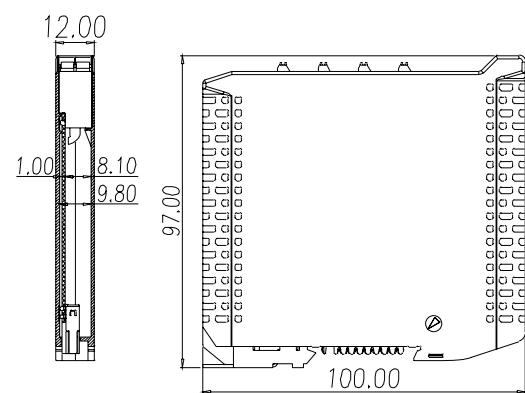
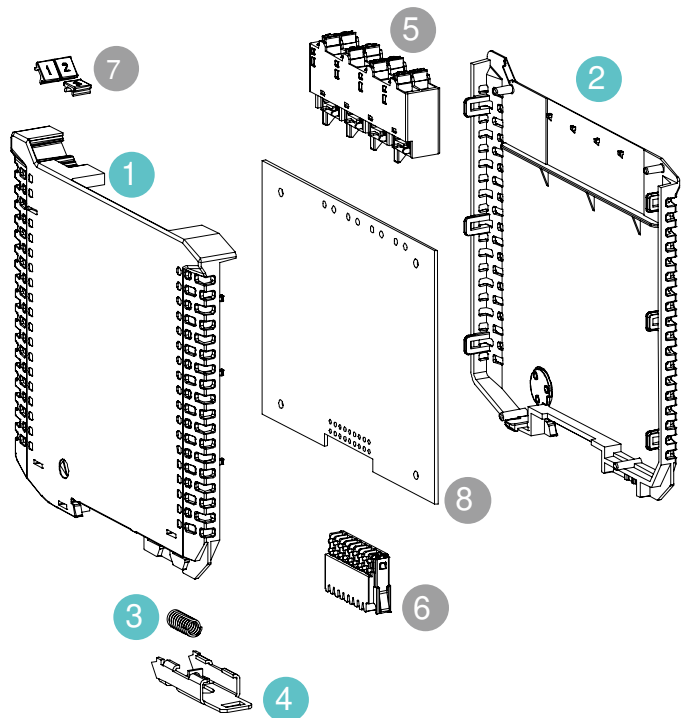
I/O Enclosure for RS485 (8Px1)
I/O 模組盒 for RS485 (8Px1)



I/O Enclosure for RS485 (8Px2)
I/O 模組盒 for RS485 (8Px2)

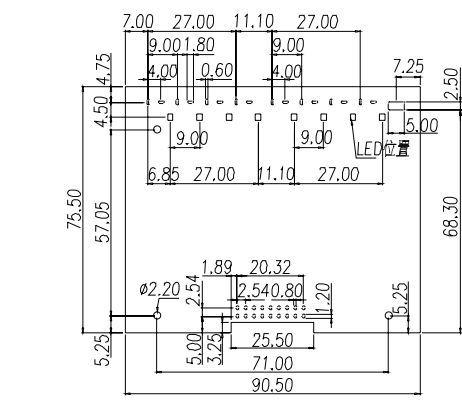
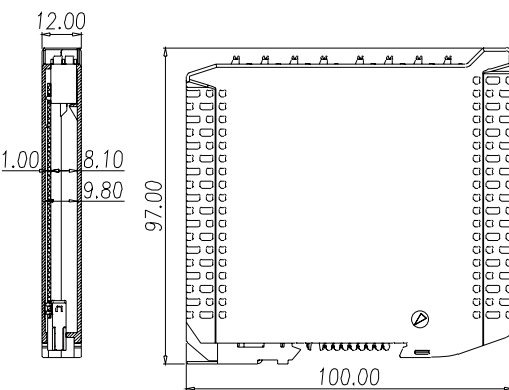
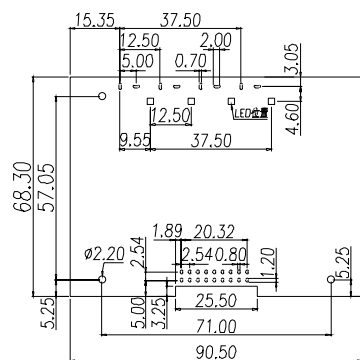


Enclosure
BS-5210

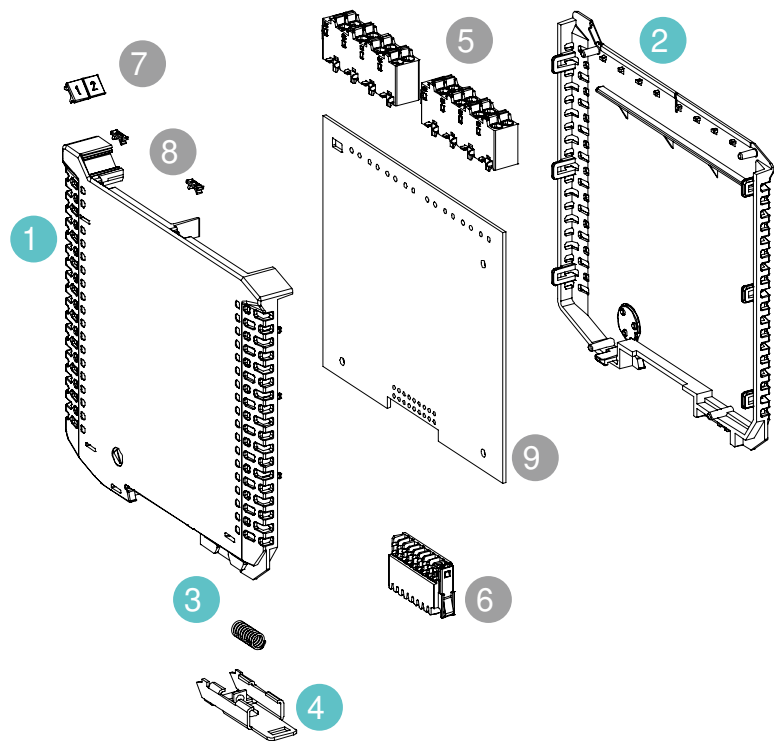


Enclosure
BS-5210

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	主殼體/Main Housing	BS-5210-01	1	20套/Sets
2	邊蓋/Side Cover	BS-5210-02	1	
3	彈簧/Spring	BS-5210-03	1	
4	夾子/Clamp	BS-5210-04	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
5	端子台/Terminal block	0171-2108	1	選用零件/ Optional Components for PCB assembly
6	總線連接器/Bus Connector	BS-100	1	
7	標示牌/Marking Label	TM20	3	
8	電路板/PCB		1	



Enclosure
BS-5211

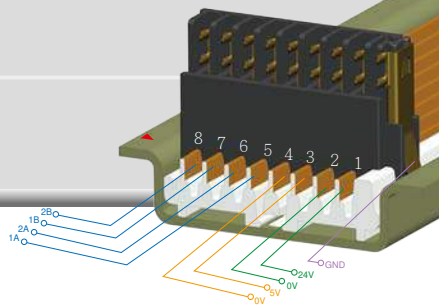
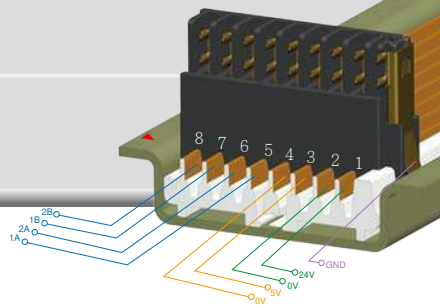


Enclosure
BS-5211

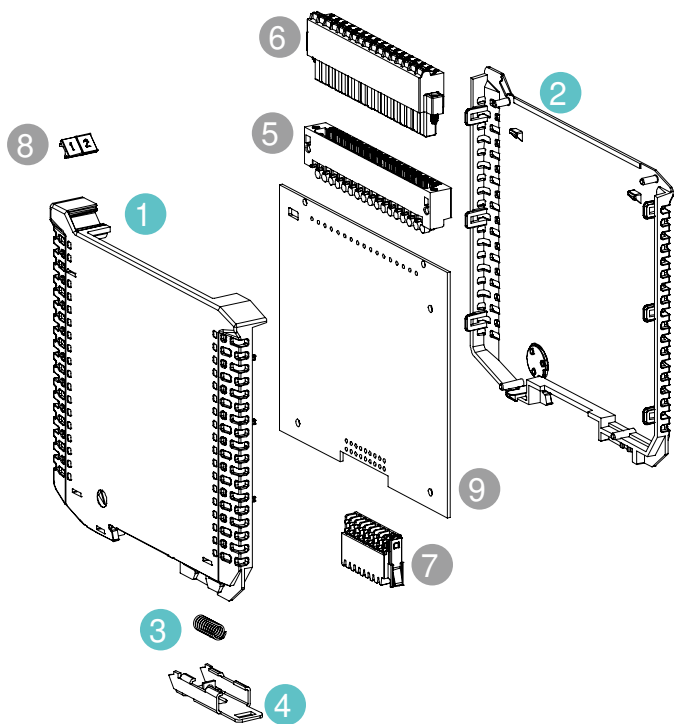
ITEM	品名 / Name of Part	料號 / Part number	數量 / Q'TY	包裝 / Package
1	主殼體/Main Housing	BS-5211-01	1	20套/Sets
2	邊蓋/Side Cover	BS-5211-02	1	
3	彈簧/Spring	BS-5211-03	1	
4	夾子/Clamp	BS-5211-04	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
5	端子台/Terminal block	0171-1108	2	選用零件/ Optional Components for PCB assembly
6	總線連接器/Bus Connector	BS-100	1	
7	標示牌1/Marking Label 1	TM20	2	
8	標示牌2/Marking Label 2	TM40	2	
9	電路板/PCB		1	

I/O Enclosure for RS485 (17Px1)
I/O 模組盒 for RS485 (17Px1)

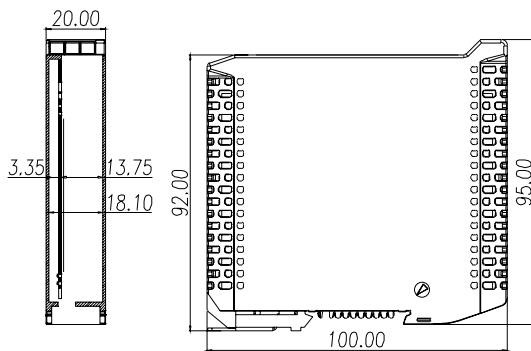
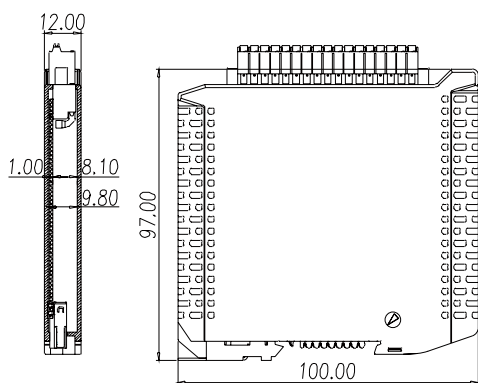
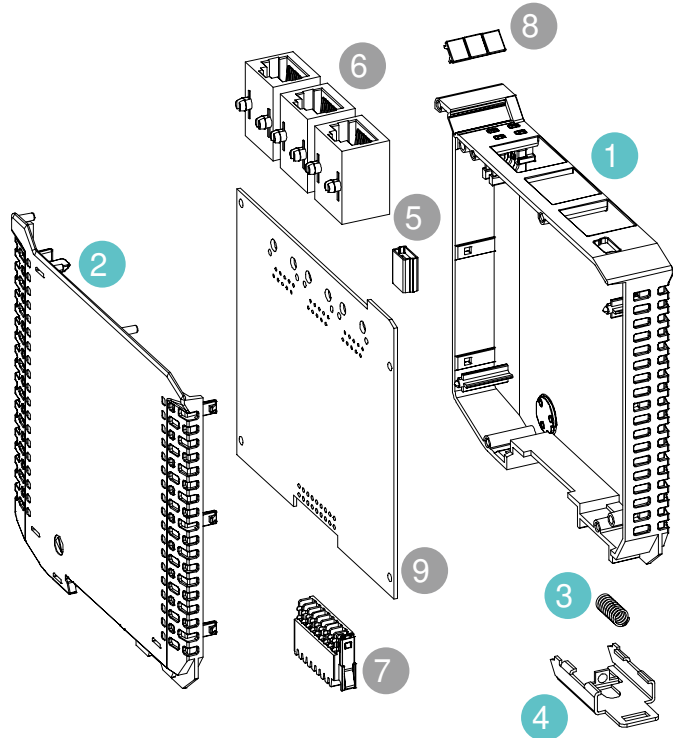
Enclosure for Controller
控制器模組盒



Enclosure
BS-5212



Enclosure
BS-5310



Enclosure
BS-5212

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	主殼體/Main Housing	BS-5212-01	1	20套/Sets
2	邊蓋/Side Cover	BS-5212-02	1	
3	彈簧/Spring	BS-5212-03	1	
4	夾子/Clamp	BS-5212-04	1	

以下零配件之需求，請另行訂購

If demand for below components, please order separately.

5	端子台(插座)/ Terminal block(socket)	0225-1117TH / 14	1	選用零件/ Optional Components for PCB assembly
6	端子台(插頭)/ Terminal block(plug)	0225-0117	1	
7	總線連接器/Bus Connector	BS-100	1	
8	標示牌/Marking Label	TM20	2	
9	電路板/PCB		1	

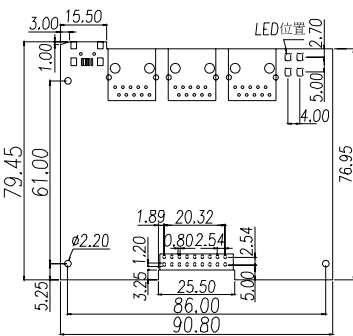
Enclosure
BS-5310

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	主殼體/Main Housing	BS-5310-01	1	10套/Sets
2	邊蓋/Side Cover	BS-5310-02	1	
3	彈簧/Spring	BS-5310-03	1	
4	夾子/Clamp	BS-5310-04	1	

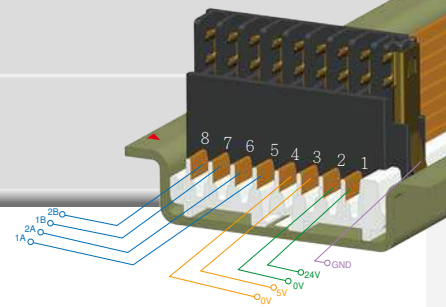
以下零配件之需求，請另行訂購

If demand for below components, please order separately.

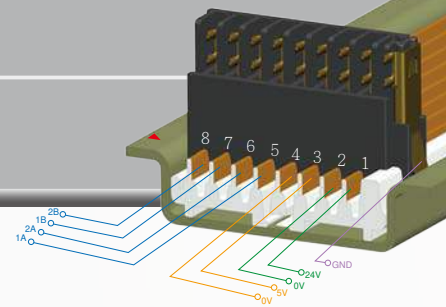
5	連接器1/Connector 1	MINI USB	1	選用零件/ Optional Components for PCB assembly
6	連接器2/Connector 2	RJ45	3	
7	總線連接器/Bus Connector	BS-100	1	
8	標示牌/Marking Label	TM20	3	
9	電路板/PCB		1	



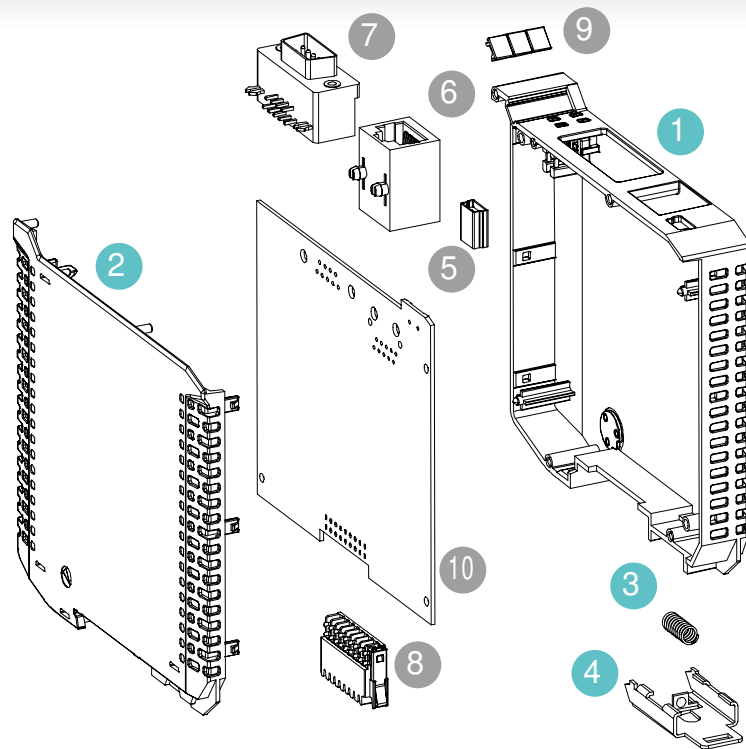
Enclosure for Controller 控制器模組盒



Etherbus controller 乙太網I0模組盒

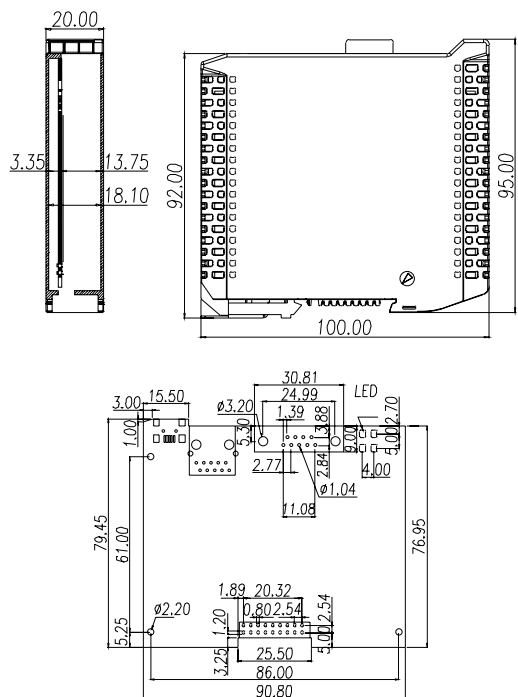


Enclosure BS-5311



Enclosure BS-5311

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	主殼體/Main Housing	BS-5311-01	1	10套/Sets
2	邊蓋/Side Cover	BS-5311-02	1	
3	彈簧/Spring	BS-5311-03	1	
4	夾子/Clamp	BS-5311-04	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
5	連接器1/Connector1	MINI USB	1	選用零件/ Optional Components for PCB assembly
6	連接器2/Connector2	RJ45	1	
7	連接器3/Connector3	RS232	1	
8	總線連接器/Bus Connector	BS-100	1	
9	標示牌/Marking Label	TM20	3	
10	電路板/PCB		1	

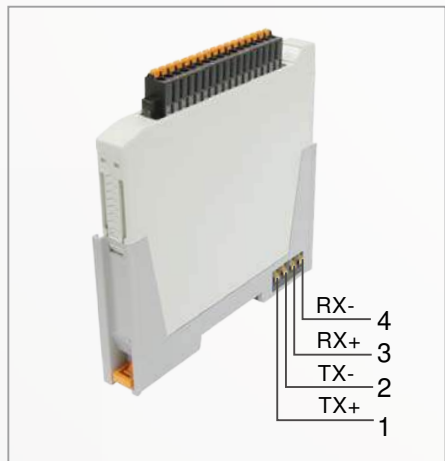


BS-5371
控制器模組/Enclosure for Controller

BS-5260
乙太網IO模組/Ethernet (4P)

BS-5261
乙太網10模組/Ethernet (8P)

BS-5262
乙太網IO模組/Ethernet (17P)



基座/Module Base
BS-5360

**包裝 / Package**

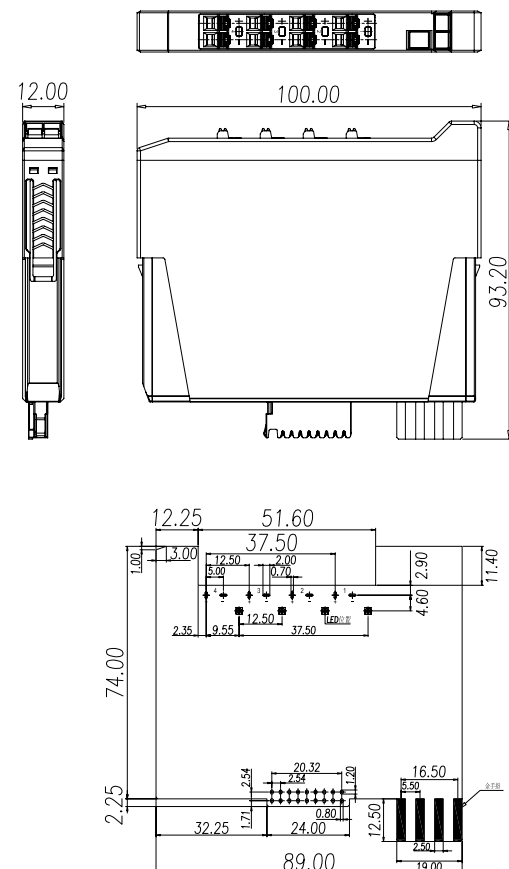
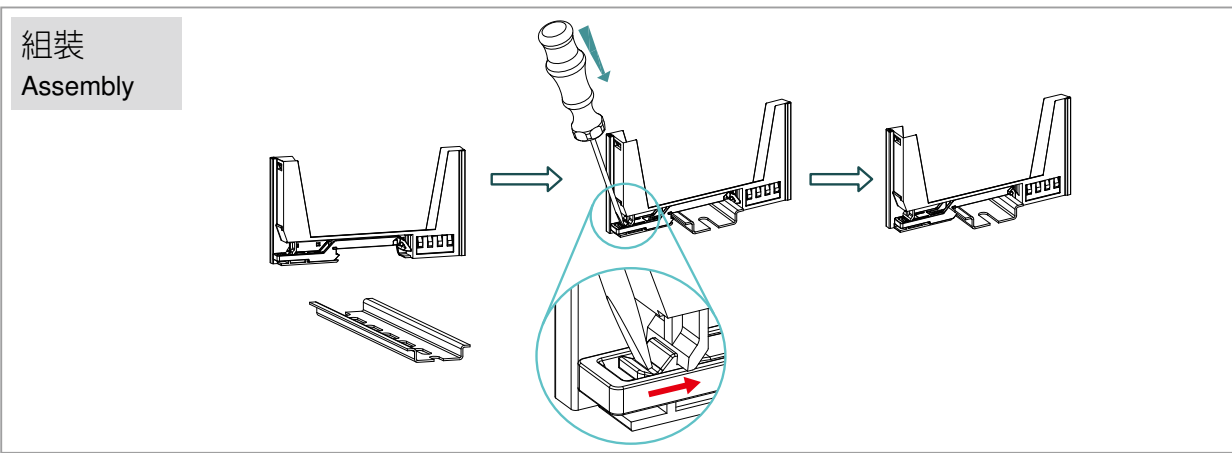
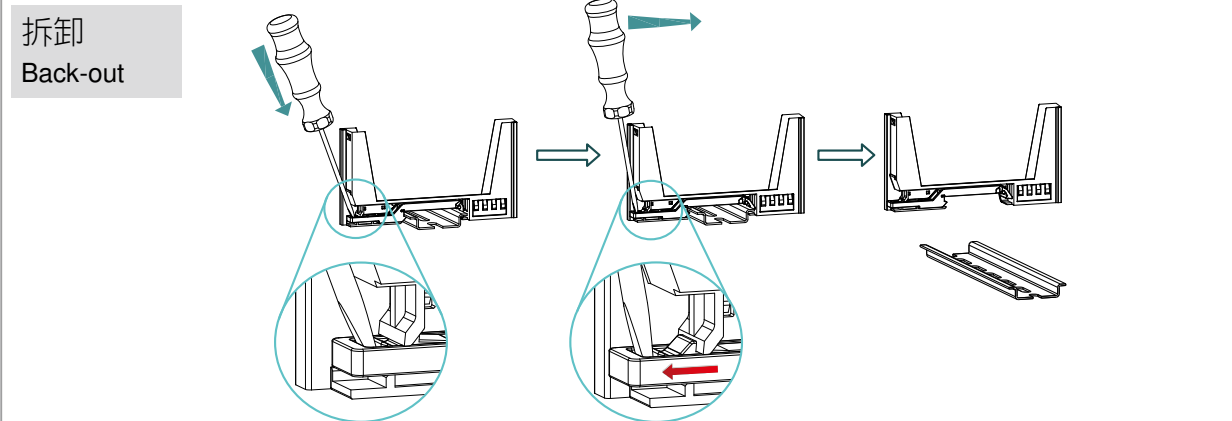
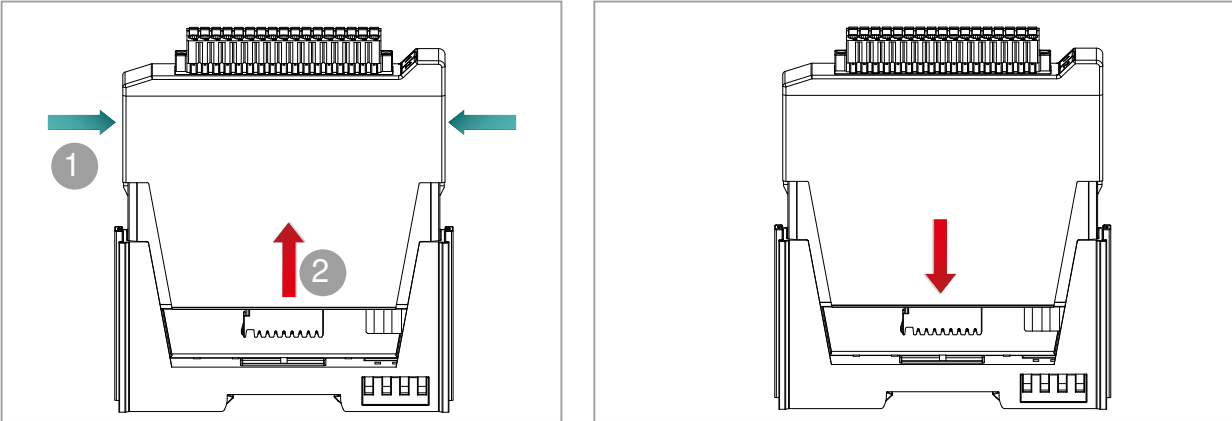
20套/Sets

基座末端/
Module Base (Endplate)
BS-5361

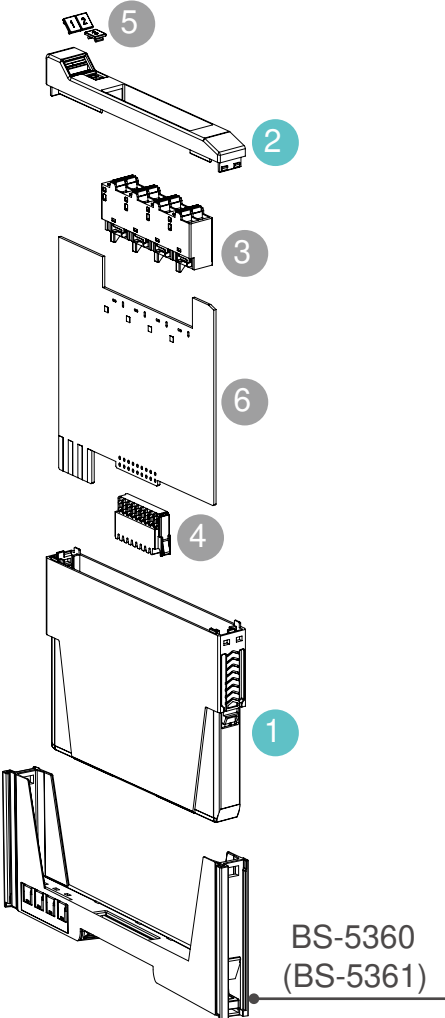


包裝 / Package

20套/Sets



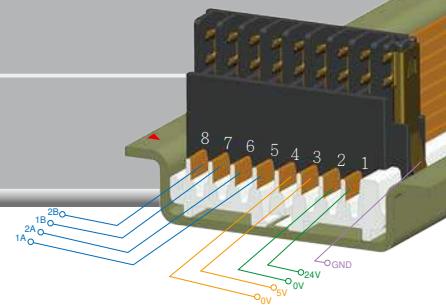
Enclosure
BS-5260



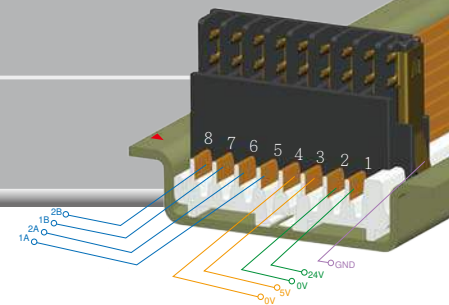
Enclosure
BS-5260

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	殼體/Housing	BS-5260-01	1	20套/Sets
2	上蓋/Top cover	BS-5260-02	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
3	端子台/Terminal Block	0171-2108	1	選用零件/ Optional Components for PCB assembly
4	總線連接器/Bus Connector	BS-100	1	
5	標示牌/Marking Label	TM20	3	
6	電路板/PCB		1	

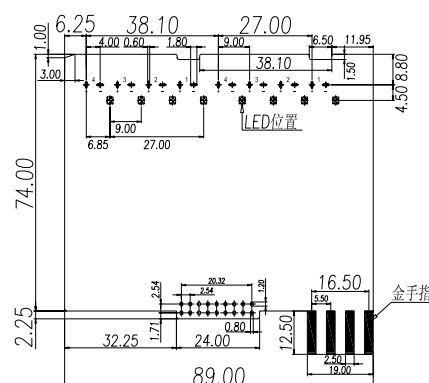
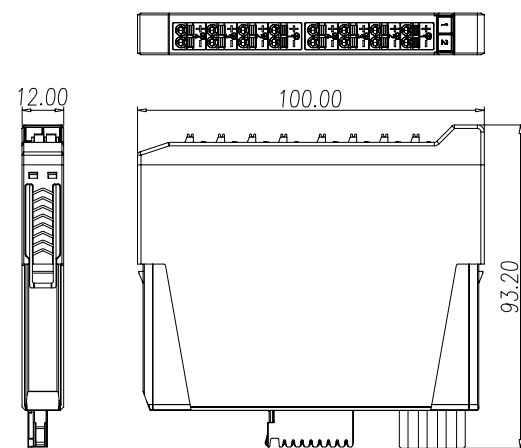
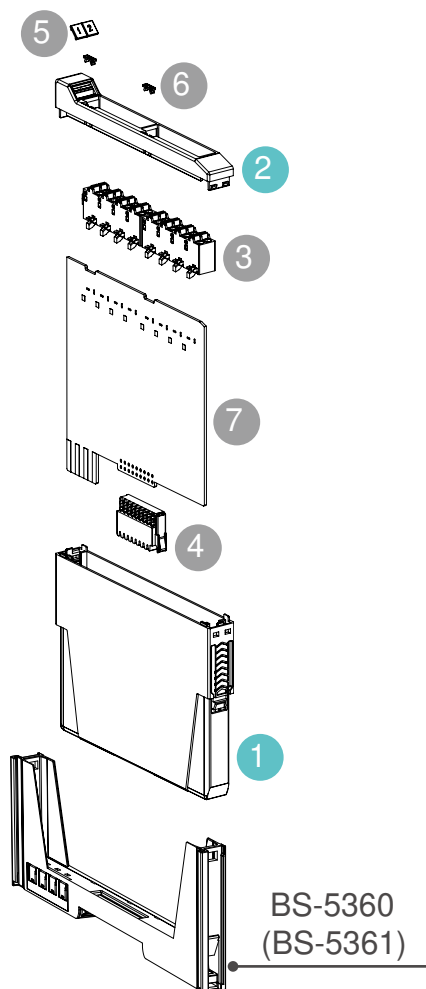
IO Enclosure for RS485⁺ Ethernet (8P) 乙太網IO模組盒



IO Enclosure for RS485⁺ Ethernet (17P) 乙太網IO模組盒



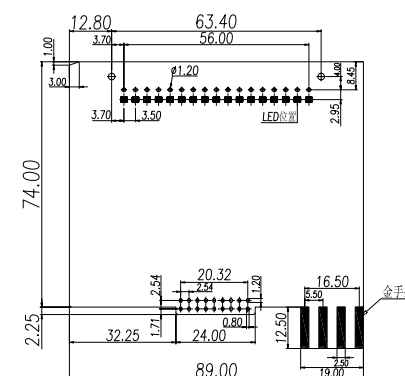
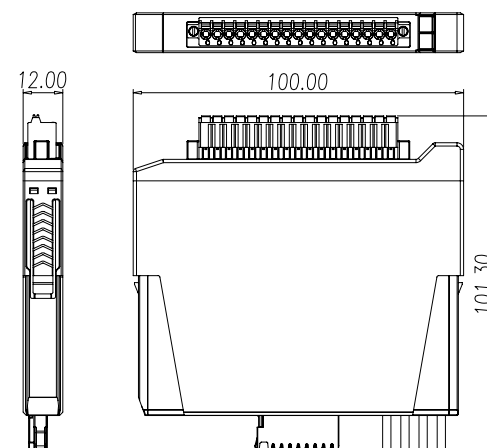
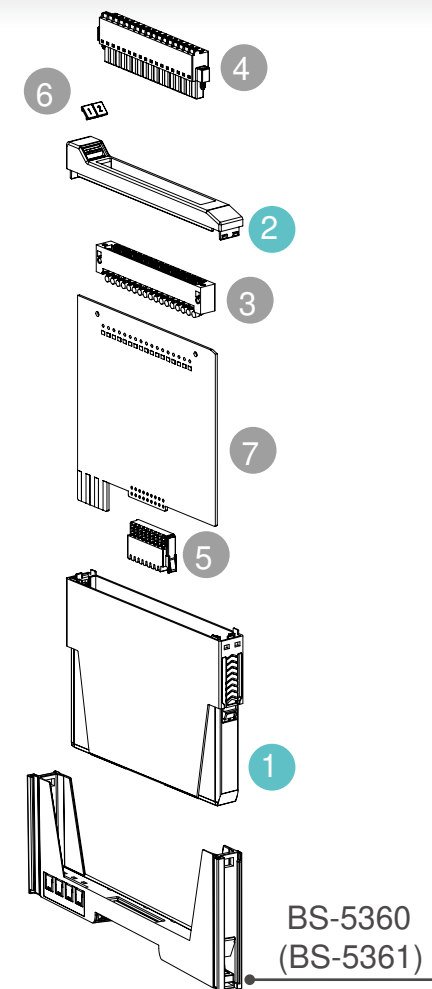
Enclosure BS-5261



Enclosure BS-5261

ITEM	品名 / Name of Part	料號 / Part number	數量 / Q'TY	包裝 / Package
1	殼體/Housing	BS-5261-01	1	20套/Sets
2	上蓋/Top cover	BS-5261-02	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
3	端子台/Terminal Block	0171-1108	2	選用零件/ Optional Components for PCB assembly
4	總線連接器/Bus Connector	BS-100	1	
5	標示牌1/Marking Label 1	TM20	2	
6	標示牌2/Marking Label 2	TM40	2	
7	電路板/PCB		1	

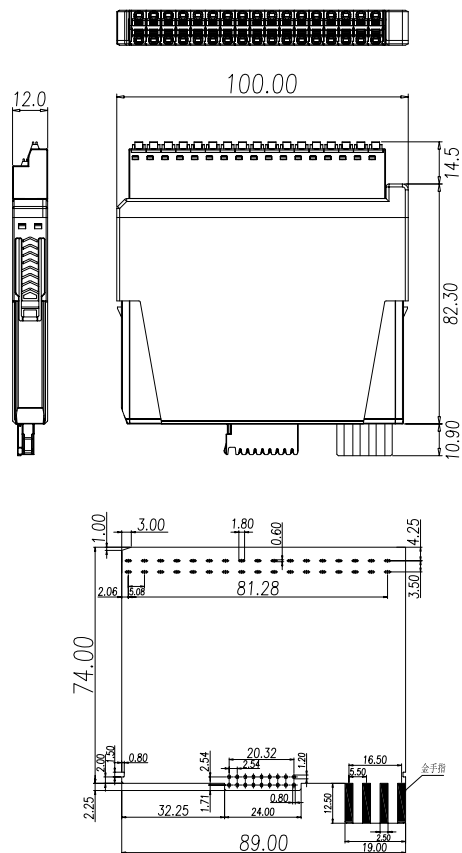
Enclosure BS-5262



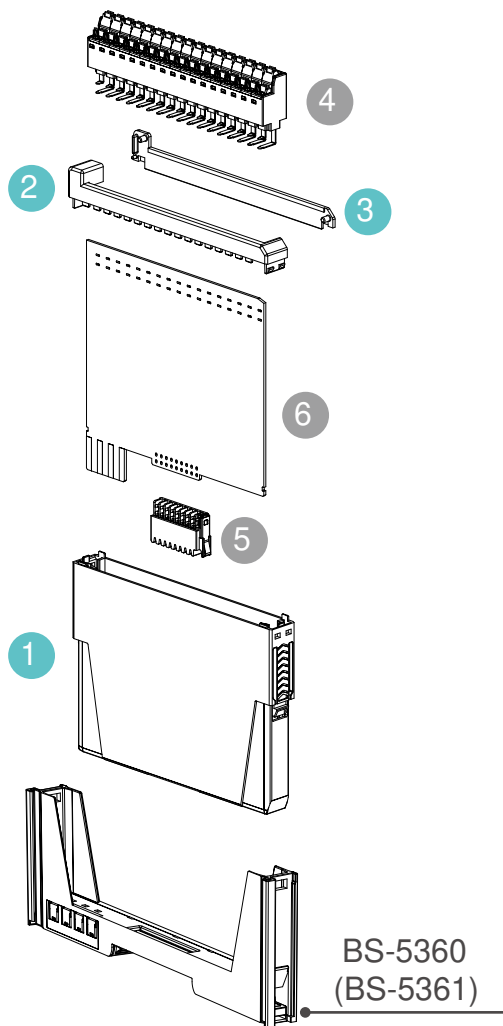
Enclosure BS-5262

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	殼體/Housing	BS-5262-01	1	20套/Sets
2	上蓋/Top cover	BS-5262-02	1	
以下零配件之需求，請另行訂購				
If demand for below components, please order separately.				
3	端子台(插座)/ Terminal block(socket)	0225-1117TH/14	1	選用零件/ Optional Components for PCB assembly
4	端子台(插頭)/ Terminal block(plug)	0225-0117	1	
5	總線連接器/Bus Connector	BS-100	1	
6	標示牌/Marking Label	TM20	2	
7	電路板/PCB		1	

IO Enclosure for RS485+ Ethernet (34P)
乙太網IO模組盒



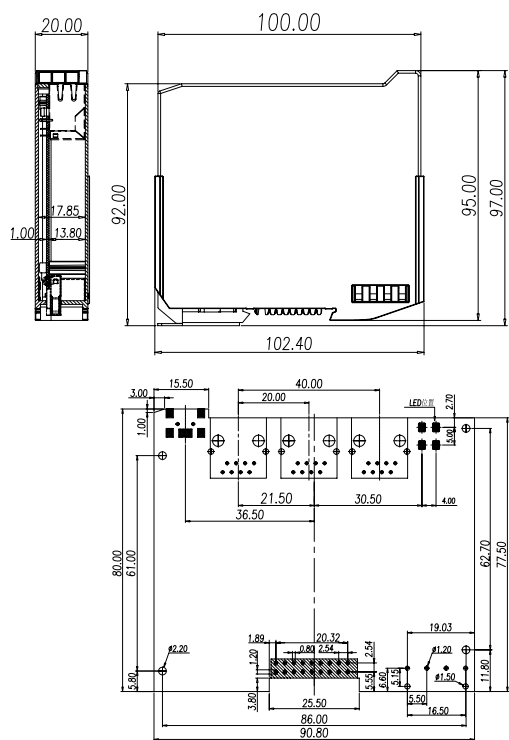
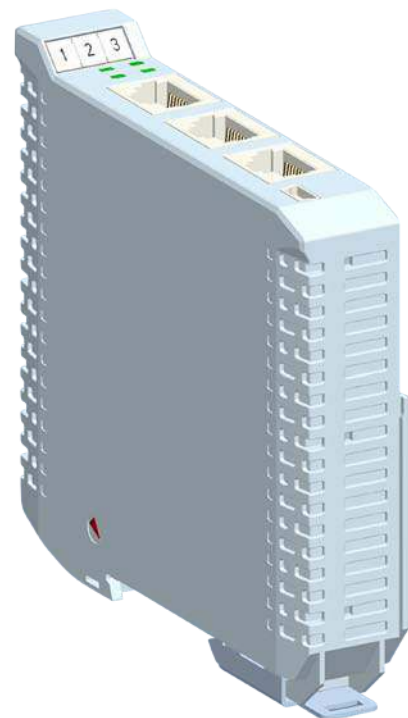
Enclosure
BS-5263



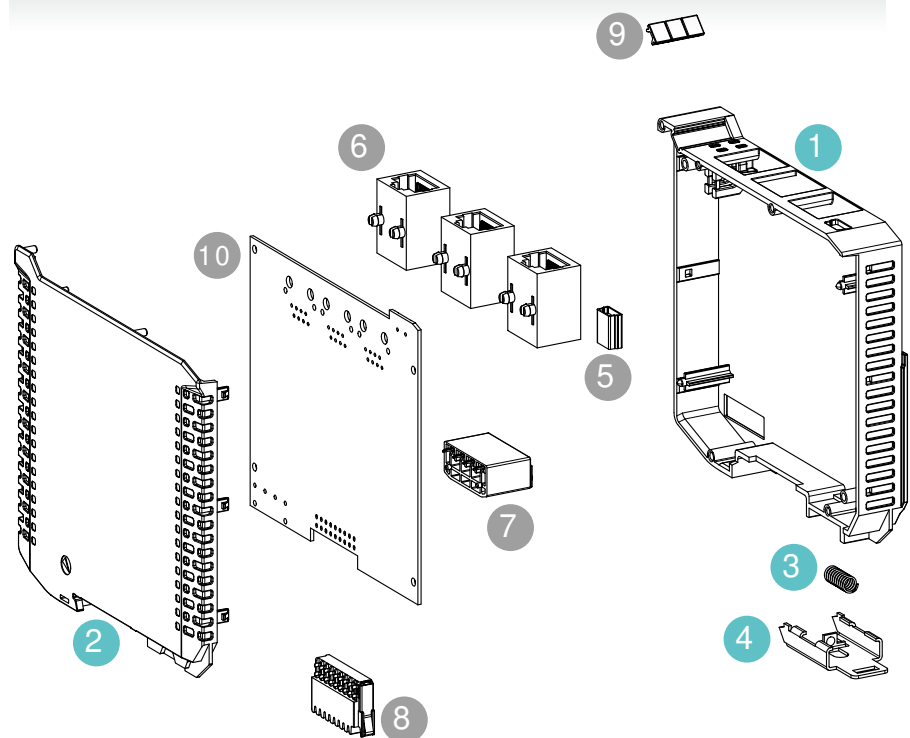
Enclosure
BS-5263

ITEM	品名 / Name of Part	料號 / Part number	數量 / Q'TY	包裝 / Package
1	殼體/Housing	BS-5263-01	1	20套/Sets
2	上蓋1/Top cover 1	BS-5263-02	1	
3	上蓋2/Top cover 2	BS-5263-03	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
4	端子台/Terminal Block	0228-2234	1	選用零件/ Optional Components for PCB assembly
5	總線連接器/Bus Connector	BS-100	1	
6	電路板/PCB		1	

Enclosure for Etherbus Controller
Etherbus 控制器模組盒



Enclosure
BS-5370

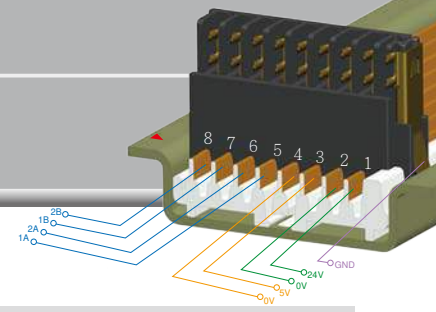


Enclosure
BS-5370

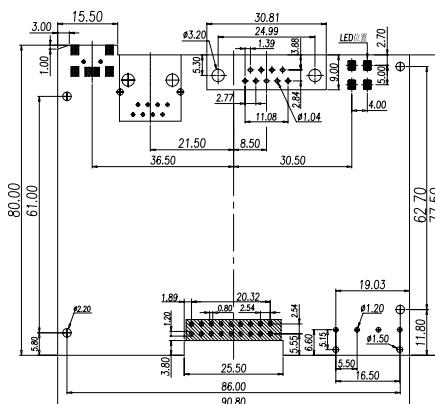
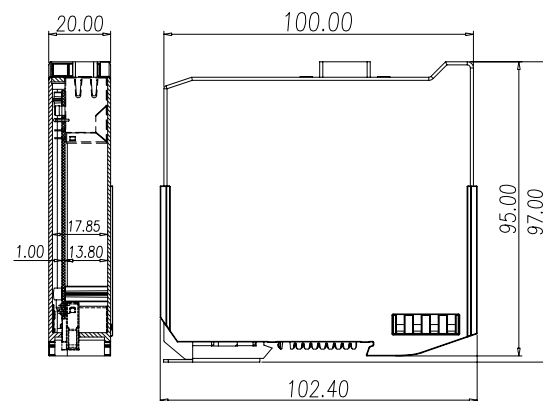
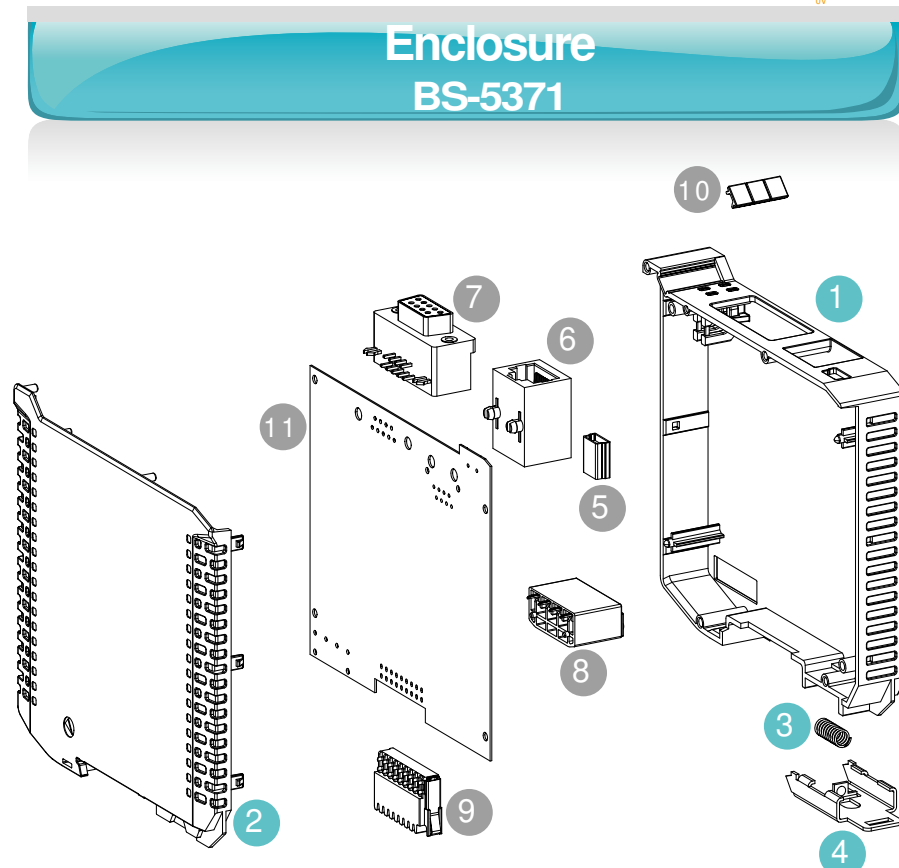
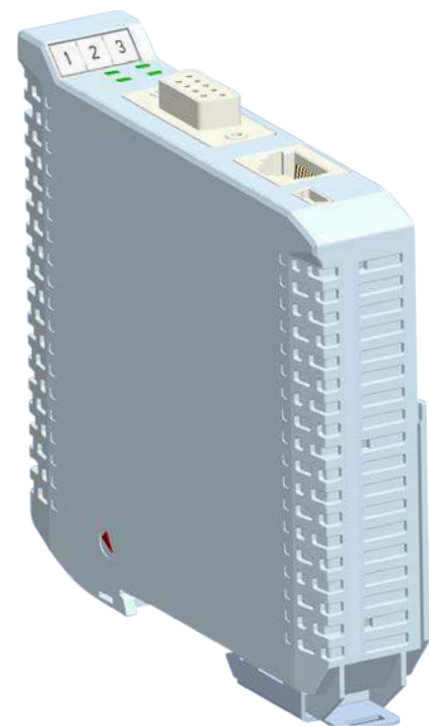
ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	主殼體/Main Housing	BS-5370-01	1	10套/Sets
2	邊蓋/Side Cover	BS-5370-02	1	
3	彈簧/Spring	BS-5370-03	1	
4	夾子/Clamp	BS-5370-04	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
5	連接器1/Connector1	MINI USB	1	選用零件/ Optional Components for PCB assembly
6	連接器2/Connector2	RJ45	3	
7	模組連接器/Module Connector	BS-170	1	
8	總線連接器/Bus Connector	BS-100	1	
9	標示牌/Marking Label	TM20	3	
10	電路板/PCB		1	

Enclosure for Etherbus Controller

Etherbus 控制器模組盒



RJ45 Interface 介面轉接模組



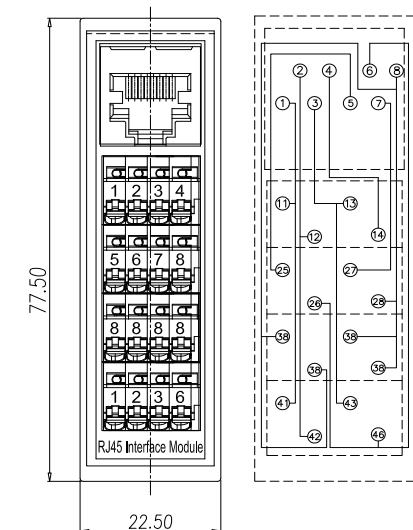
Enclosure BS-5371

ITEM	品名 / Name of Part	料號 / Part number	數量 / Q'TY	包裝 / Package
1	主殼體/Main Housing	BS-5371-01	1	10套/Sets
2	邊蓋/Side Cover	BS-5371-02	1	
3	彈簧/Spring	BS-5371-03	1	
4	夾子/Clamp	BS-5371-04	1	

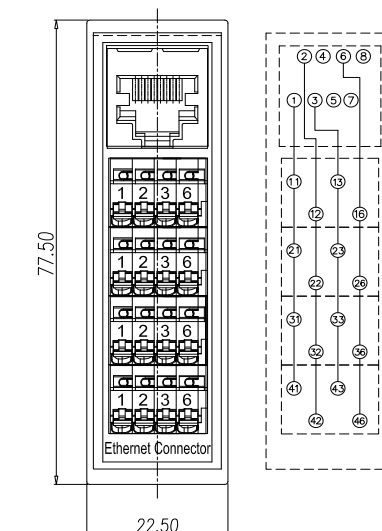
以下零配件之需求，請另行訂購
If demand for below components, please order separately.

5	連接器1/Connector1	MINI USB	1	選用零件/ Optional Components for PCB assembly
6	連接器2/Connector2	RJ45	1	
7	連接器3/Connector3	RS232	1	
8	模組連接器/Module Connector	BS-170	1	
9	總線連接器/Bus Connector	BS-100	1	
10	標示牌/Marking Label	TM20	3	
11	電路板/PCB		1	

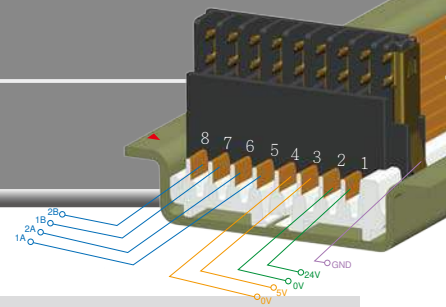
RS485 接線圖/ RS485 circuit diagram



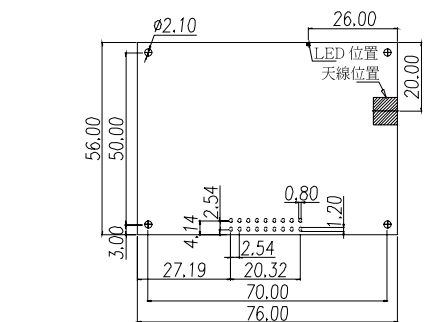
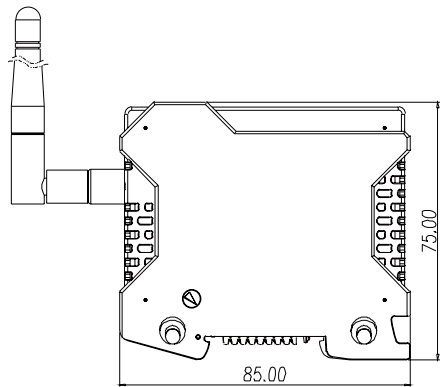
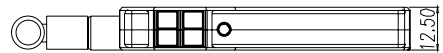
Ethernet 接線圖/ Ethernet circuit diagram



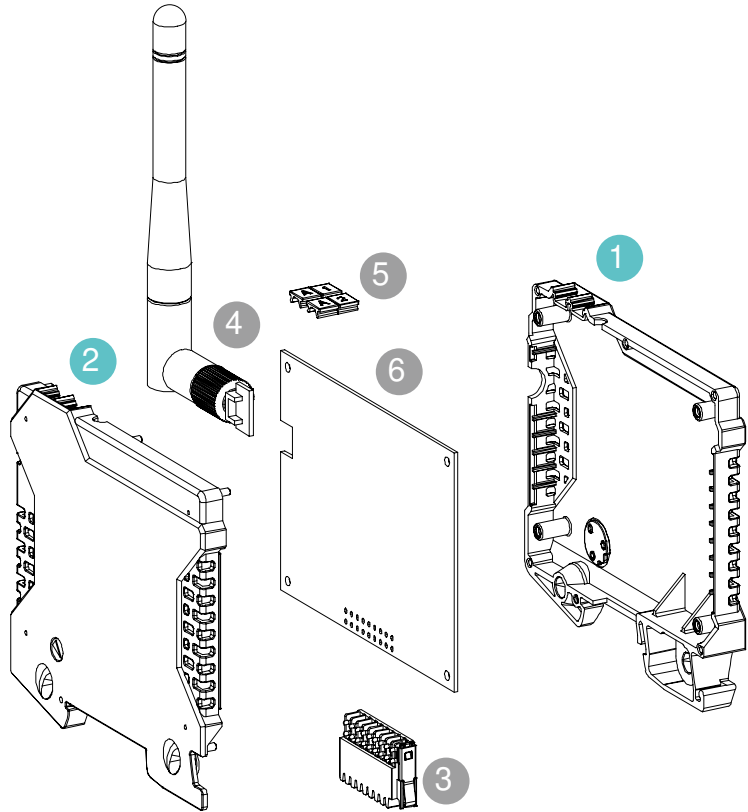
Enclosure for Wireless 無線模組殼體



Enclosure for Wireless 無線模組殼體

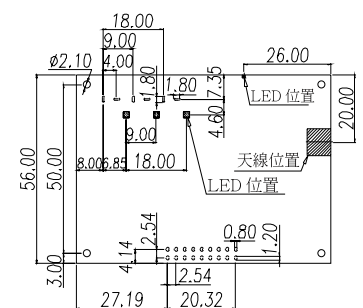
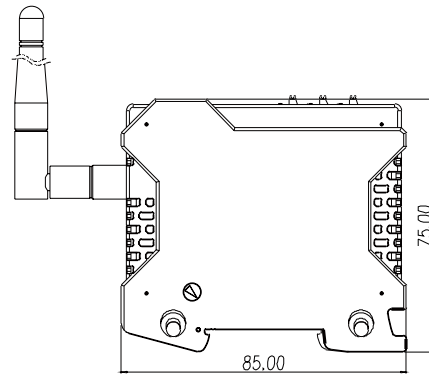
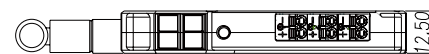


Enclosure BS-5410

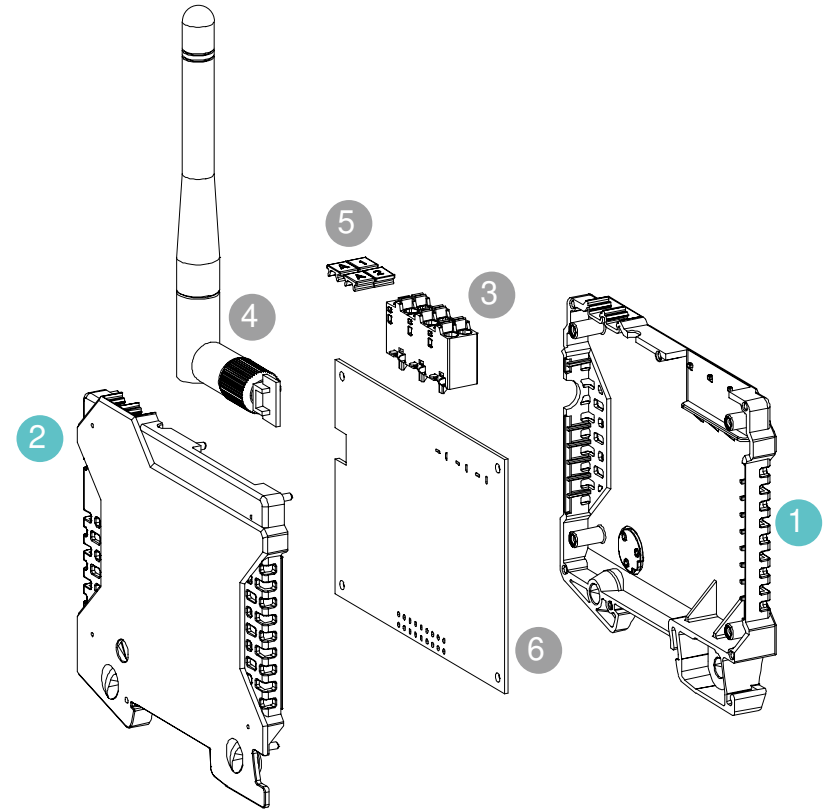


Enclosure BS-5410

ITEM	品名 / Name of Part	料號 / Part number	數量 / QTY	包裝 / Package
1	主殼體/Main Housing	BS-5410-01	1	20套/Sets
2	邊蓋/Side Cover	BS-5410-02	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
3	總線連接器/Bus Connector	BS-100	1	選用零件/ Optional Components for PCB assembly
4	天線/Antenna		1	
5	標示牌/Marking Label	TM20	4	
6	電路板/PCB		1	

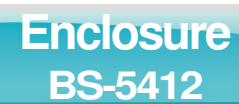
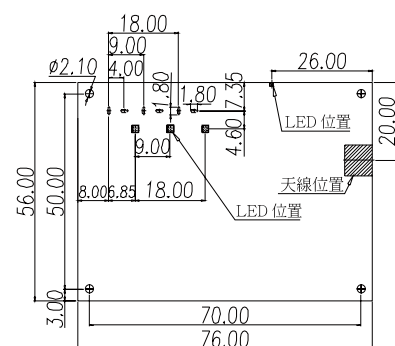
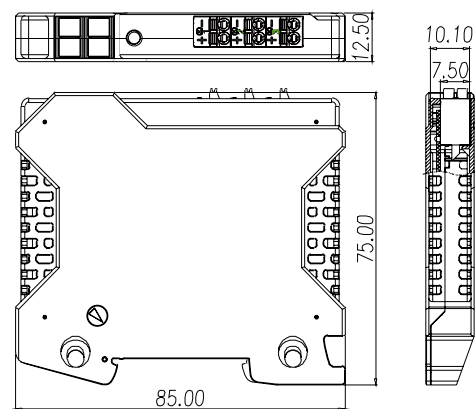
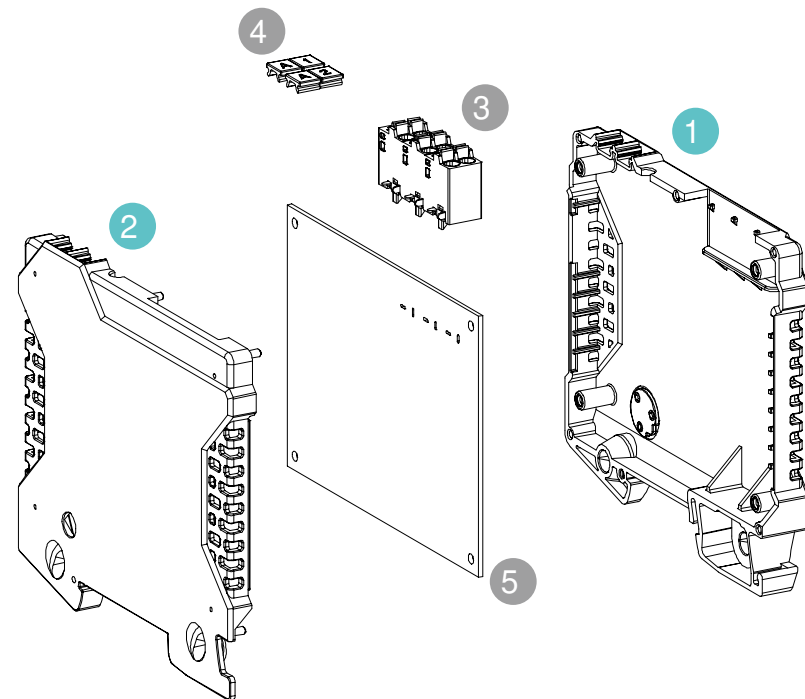
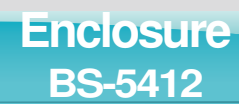
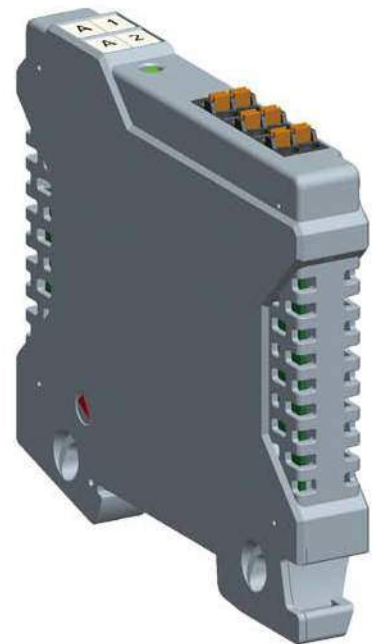


Enclosure BS-5411

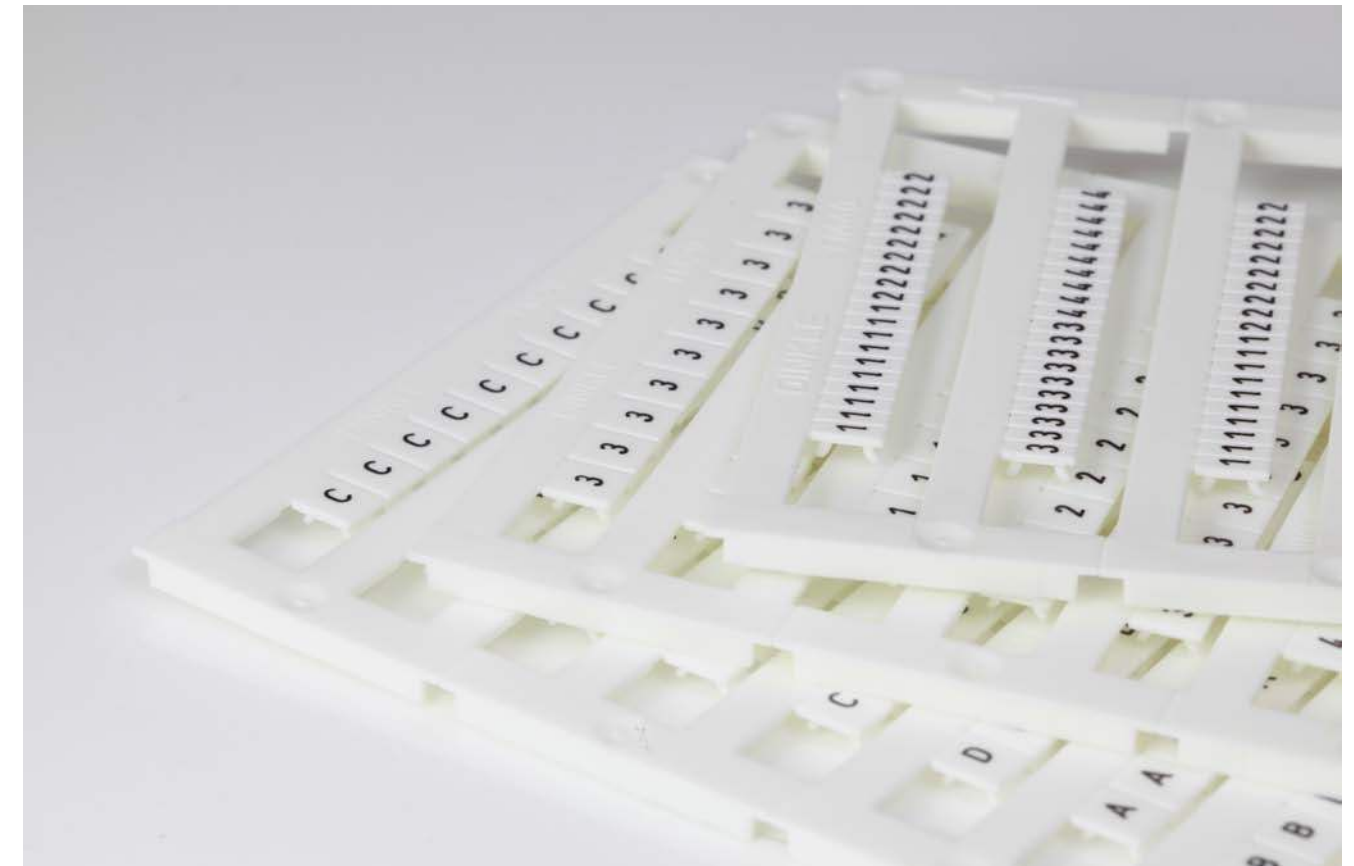


Enclosure BS-5411

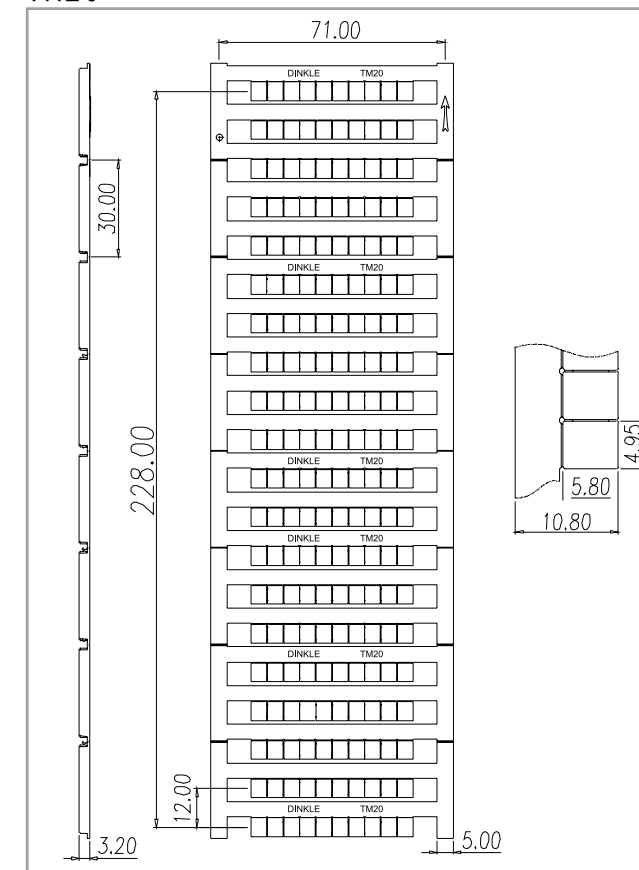
ITEM	品名 / Name of Part	料號 / Part number	數量 / Q'TY	包裝 / Package
1	主殼體/Main Housing	BS-5411-01	1	20套/Sets
2	邊蓋/Side Cover	BS-5411-02	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
3	端子台/Terminal block	0171-1106	1	選用零件/ Optional Components for PCB assembly
4	天線/Antenna		1	
5	標示牌/Marking Label	TM20	4	
6	電路板/PCB		1	



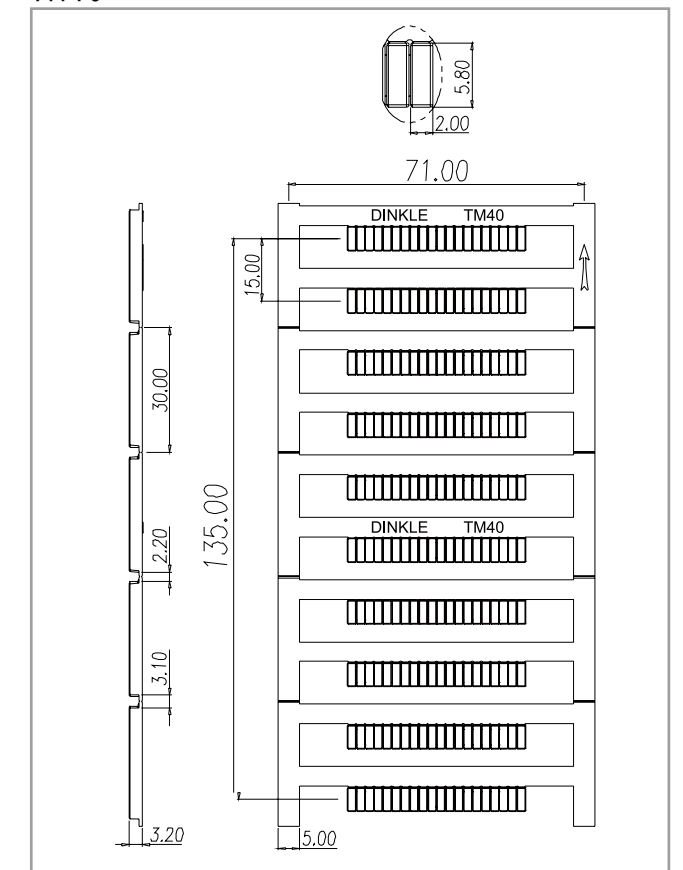
ITEM	品名 / Name of Part	料號 / Part number	數量 / Q'TY	包裝 / Package
1	主殼體/Main Housing	BS-5412-01	1	20套/Sets
2	邊蓋/Side Cover	BS-5412-02	1	
以下零配件之需求，請另行訂購 If demand for below components, please order separately.				
3	端子台/Terminal block	0171-1106	1	選用零件/ Optional Components for PCB assembly
4	標示牌/Marking Label	TM20	4	
5	電路板/PCB		1	



TM20



TM40



Lined area for notes.

Dinkle remains the right of product modification and engineering change of design. The catalogue is for reference only. The final product is made according to actual engineering drawing.

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