



THAI SWITCHBOARD AND METAL WORK CO., LTD.



CE SERIES CATALOG

INNOVATIVE TECHNOLOGY
SUPERIOR QUALITY
COMPETITIVE PRODUCT PRICE



WWW.TAMCO.CO.TH



Enclosure IP Ratings Guide

The Code and Rating System

IP **X** **X**

Code Letters
(IP=Ingress Protection)



SOLIDS

WATER

First
Number

Level of protection against solid
objects, materials or dust

Second
Number

Level of protection against water
and other liquids

0

No Protection

1



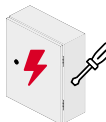
Protected against a solid
object greater than 50 mm.
(2~in), such as a hand.

2



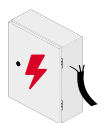
Protected against a solid
object greater than 12.5 mm.
(1/2in), such as a finger.

3



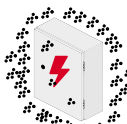
Protection against a solid ob-
ject greater than 2.5 mm. such
as a screwdriver.

4



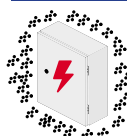
Protection against a solid
Object greater than 1.0 mm.
such as a wire.

5



Dust proof. Dust must not
penetrate to an extent that
equipment operation or
safety are impaired.

6



Dust-tight: No ingress of dust.

0

No Protection

1



Protected against vertically
falling drops of water for 10
minutes at rate of 1 mm. /min.

2



Protected against diagonally
falling(up to 15-deg.) drops of
water for 10 minutes at rate of
3mm. /min.

3



Protected against diagonally fall-
ing(up to 60-deg.) spray
(from a hose) for 5 minutes at 0.7
litres/min. at 80-100 kPa.

4



Protected against water
splashed from all directions
for 5 minutes at 10 litres/min
at 80-100 kPa.

5



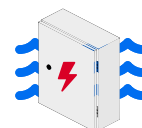
Protected against a 6.3 mm.
water nozzle for 3 minutes
at 12.5 litres/min. at 30 kPa
at a distance of 3m.

6



Protected against at
12.5 mm. water nozzle for 3
minutes at 100 litres/min at
100kPa at a distance of 3m.

7



Protected against at 30
minutes submersion at a depth
of 1m.

8



Protected against continuous
submersion at a depth of 3m.

Example : TAMCO Compact Enclosure: IP **5** **5**

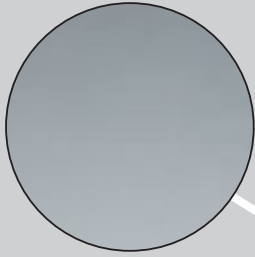
First Number: Protected from limited dust ingress.

Second Number: Protected from low pressure water jets
from any direction.



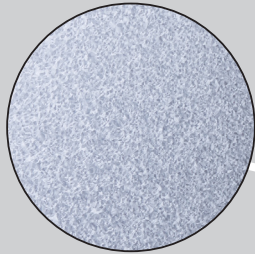
Contents

Innovative Technology	1
Product Specification & Price Lists	
CE Series IP40	3
CE Series IP55	5
CES Series IP55	7
CESG Series IP55	9
CRS Series IP65	11
CRSG Series IP65	13
CE Stainless Series IP55	15
CES Stainless Series IP55	17
CESG Stainless Series IP55	19
Enclosure Accessories	21
Other Products	27



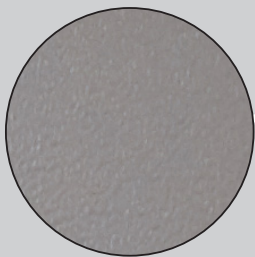
Electro-Galvanized Steel

- Provides higher corrosion resistance, higher performance, and long life (20-30 years life expectancy).



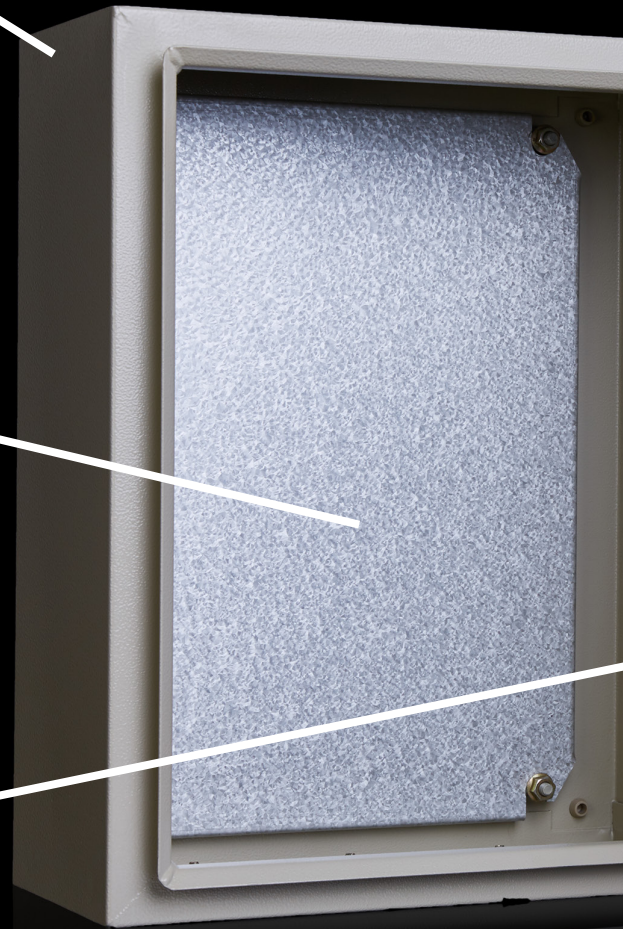
Aluminium-zinc steel as mounting plate

- Gives superior long-term corrosion resistance.
- Ease of electrical components installation.



Fine and protective finished surface

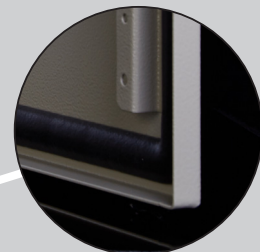
- Provide a long-lasting and more durable to the enclosure.
- Offering a greater protection from scratches, chipping, abrasions, corrosion, fading, and general wear.





Hygienic Designed Corner

- Seamless corner - No welding joint at the door's corner, reducing the chance of dust and bacteria adherence.
- Suitable for use in hygienic concerned industries—such as the food industry and the textile industry.



Optimum IP Protection

- Provide optimum protection against corrosive chemicals, high temperatures, and high pressures.
- Prevention of the external environment from entering an enclosure—such as dust, dirt, water, etc.

COMPACT ENCLOSURE : CE IP55



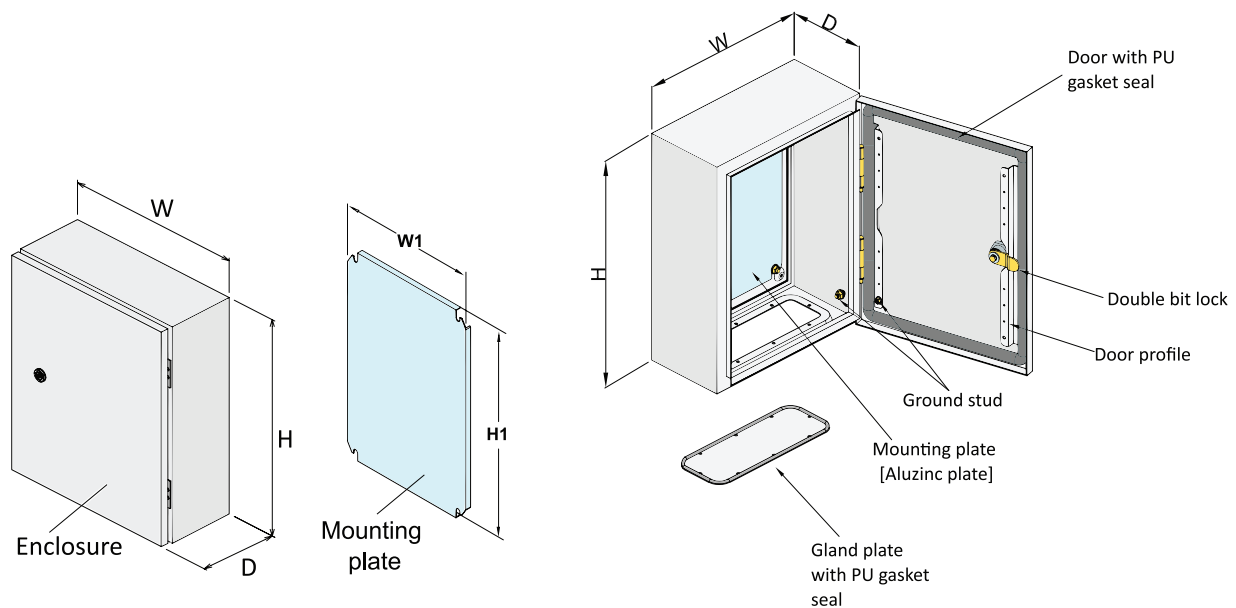
CE IP55 is a compact enclosure which protects electrical equipment from dust and water spray. With the polyurethane foam gasket, it provides excellent sealing which can provide a high IP rating. It is suitable for both indoor and outdoor purposes. Available in 14 standard sizes.

ตู้มาตรฐานรุ่นใหม่ CE สามารถกันน้ำกันฝุ่นได้ถึง IP-55 สามารถใช้ได้ทั้งงานภายในและนอกอาคาร ตัวตู้พ่นสี Polyester ที่สามารถกันแสง UV ได้ มาพร้อมกับแผ่นเพลทเคลือบสังกะสี

Specification

Material	Electro-Galvanized Steel (EG)			Aluminium-Zinc Coated Steel (Aluzinc)
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CE-01 to CE-11	1.2 mm.	1.5 mm.	1.2 mm.	1.5 mm.
CE-12 to CE-14	1.5 mm.	1.5 mm.	1.5 mm.	2.0 mm.
Finished Surface	Polyester powder coated with UV protecton paint RAL-7032			Aluminium-Zinc Coated Steel (Aluzinc)
Protection Rating	IP55			
Supply Include	Gland plate and Door with PU gasket seal / Double bit lock with key			

COMPACT ENCLOSURE : CE IP55



Price List



รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		จำนวนล็อค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CE-01	280	350	150	230	314	1	6.20
CE-02	300	450	150	250	414	1	8.00
CE-03	300	450	200	250	414	1	9.00
CE-04	350	450	200	300	414	1	9.90
CE-05	350	500	200	300	464	2	10.00
CE-06	400	500	200	350	464	2	10.18
CE-07	450	600	250	400	564	2	15.90
CE-08	500	600	250	450	564	2	17.00
CE-09	550	700	250	500	664	2	20.50
CE-10	630	750	250	580	714	2	24.00
CE-11	630	900	250	580	864	2	28.00
CE-12	700	1100	250	650	1064	2	44.20
CE-13	800	1200	300	750	1164	2	53.00
CE-14	900	1200	300	850	1164	2	62.00

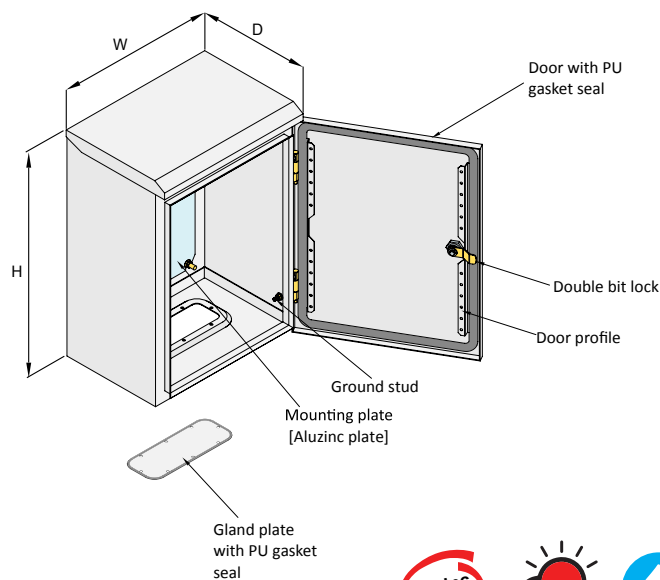
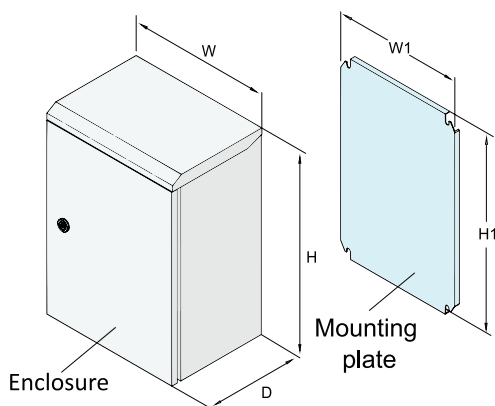


CES IP55. This compact enclosure comes with a canopy that provides extra prevention from the ingress of water spray. This series is suitable for outdoor purposes. Available in 14 standard sizes.

ตู้มาตรฐานรุ่นใหม่ CES มีหลังคาที่สามารถกันน้ำ และฝุ่นได้ถึง IP-55 เหมาะสำหรับงานติดตั้ง งานกลางแจ้ง และงานภายในอาคาร ตัวตู้พ่นสี Polyester ที่สามารถกันแสง UV ได้ มาพร้อม กับแผ่นเพลทเคลือบสังกะสี

Specification

Material	Electro-Galvanized Steel (EG)			Aluminium-Zinc Coated Steel (Aluzinc)
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CES-01 to CES-11	1.2 mm.	1.5 mm.	1.2 mm.	1.5 mm.
CES-12 to CES-14	1.5 mm.	1.5 mm.	1.5 mm.	2.0 mm.
Finished Surface	Polyester powder coated with UV protection paint RAL-7032			Aluminium-Zinc Coated Steel (Aluzinc)
Protection Rating	IP55			
Supply Include	Gland plate and Door with PU gasket seal / Double bit lock with key			



Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		จำนวนล็อค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CES-01	280	350	150	230	255	1	6.20
CES-02	300	450	150	250	355	1	7.60
CES-03	300	450	200	250	355	1	8.40
CES-04	350	450	200	300	355	1	9.40
CES-05	350	500	200	300	405	2	10.40
CES-06	400	500	200	350	405	2	11.20
CES-07	450	600	250	400	505	2	15.00
CES-08	500	600	250	450	505	2	16.20
CES-09	550	700	250	500	605	2	19.80
CES-10	630	750	250	580	655	2	23.40
CES-11	630	900	250	580	805	2	27.00
CES-12	700	1100	250	650	1005	2	41.20
CES-13	800	1200	300	750	1105	2	53.40
CES-14	900	1200	300	850	1105	2	63.40

COMPACT ENCLOSURE: CESG IP55

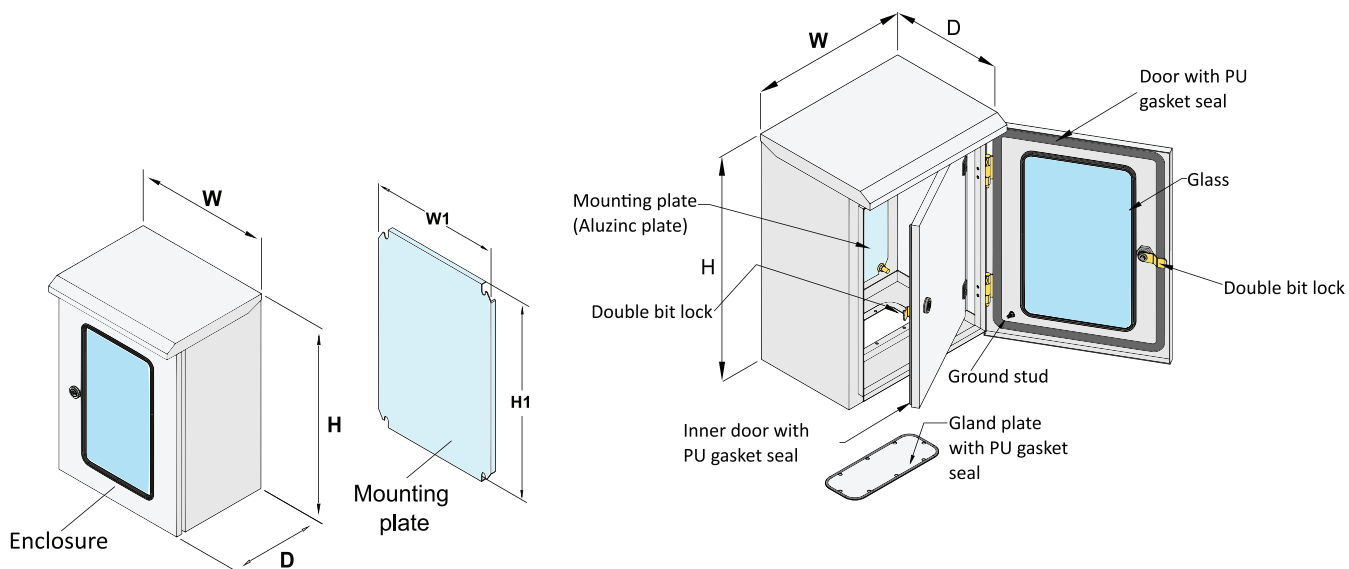


CESG is a double-door enclosure with a clear glass window on the front door. It is suitable for outdoor uses. With an IP55 rating, it gives a tight protection to the electrical equipment inside the enclosure from dust and liquid. Available in 14 standard sizes.

ตู้มาตรฐานรุ่นใหม่ CESG มีหลังคาที่สามารถกันน้ำและฝุ่นได้ถึง IP-55 เหมาะสำหรับงานติดตั้ง งานกลางแจ้ง และงานภายในอาคาร ตัวตู้พ่นสี Polyester ที่สามารถกันแสง UV ได้ มาพร้อมกับแผ่นเพลทเคลือบสังกะสี ประตูหน้ามีกระจกใส เพื่อง่ายต่อการตรวจเช็คการทำงานของระบบไฟภายในตู้

Specification

Material	Electro-Galvanized Steel (EG)			Aluminium-Zinc Coated Steel (Aluzinc)
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CESG-01 to CESG-11	1.2 mm.	1.5 mm.	1.2 mm.	1.5 mm.
CESG-12 to CESG-14	1.5 mm.	1.5 mm.	1.5 mm.	2.0 mm.
Finished Surface	Polyester powder coated with UV protecton paint RAL-7032			Aluminium-Zinc Coated Steel (Aluzinc)
Protection Rating	IP55			
Supply Include	Gland plate and Door with PU gasket seal / Double bit lock with key			



Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		จำนวนล็อค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CESG-01	280	350	200	230	210	1	8.40
CESG-02	300	450	200	250	310	1	10.60
CESG-03	300	450	250	250	310	1	12.80
CESG-04	350	450	250	300	310	1	12.96
CESG-05	350	500	250	300	360	2	15.40
CESG-06	400	500	250	350	360	2	16.20
CESG-07	450	600	300	400	460	2	20.00
CESG-08	500	600	300	450	460	2	21.60
CESG-09	550	700	250	500	560	2	24.40
CESG-10	630	750	250	580	610	2	28.80
CESG-11	630	900	250	580	760	2	34.00
CESG-12	700	1100	250	650	960	2	52.60
CESG-13	800	1200	300	750	1060	2	73.40
CESG-14	900	1200	300	850	1060	2	78.40

COMPACT ENCLOSURE: CRS IP65

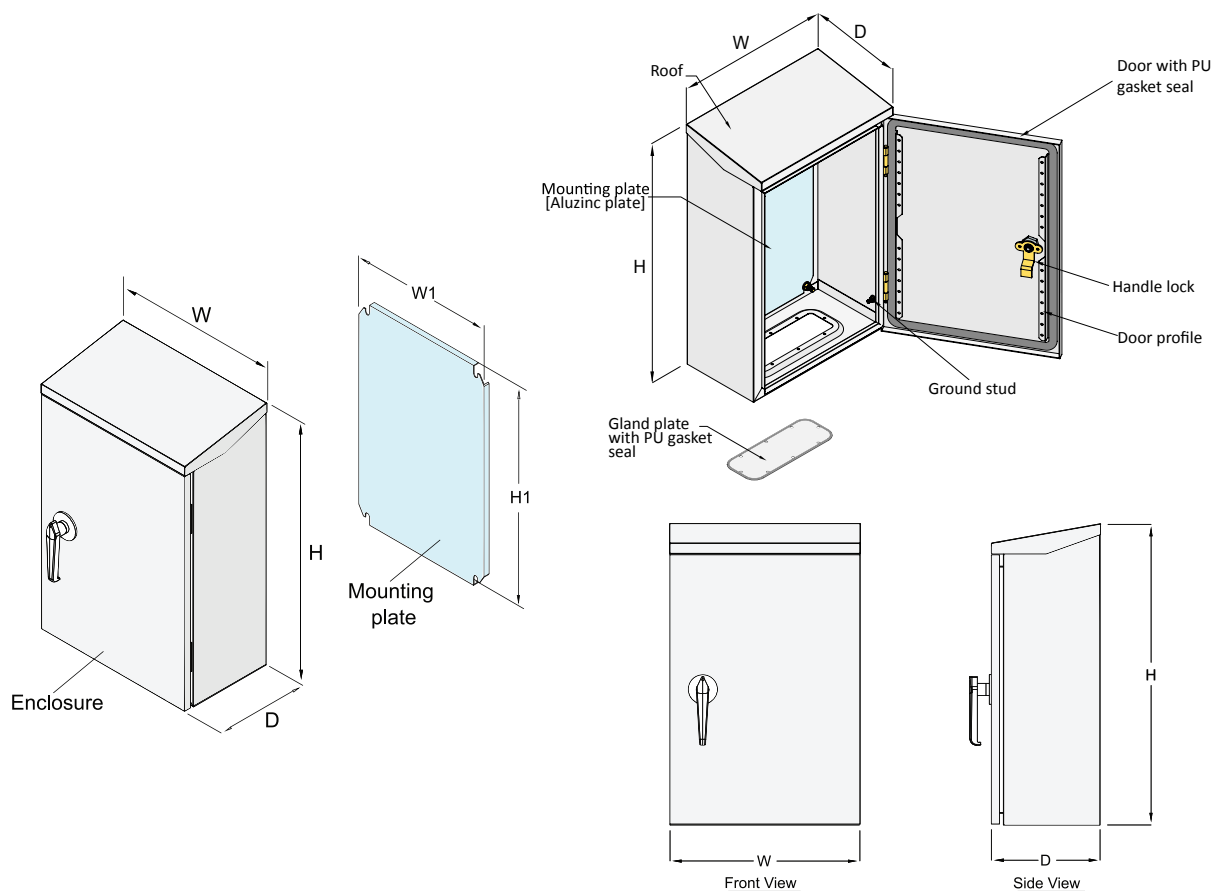


CRS IP65. Dust tight and no jets of water. With an IP65 rating, CRS series can 100% secure the enclosure from dust and water jets. Adding the slope canopy, this enclosure is most suitable for outdoor uses in any environment. Available in 5 standard sizes.

ตู้มาตรฐานรุ่นใหม่ CRS มีหลังคาลาดเอียง ซึ่งสามารถกันน้ำและฝุ่นได้ถึง IP-65 เหมาะสำหรับการใช้งานติดตั้ง และงานนอกอาคาร

Specification

Material	Electro-Galvanized Steel (EG)			Aluminium-Zinc Coated Steel (Aluzinc)
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CRS-01 to CRS-05	1.2 mm.	1.5 mm.	1.2 mm.	1.5 mm.
Finished Surface	Polyester powder coated with UV protecton paint RAL-7032			Aluminium-Zinc Coated Steel (Aluzinc)
Protection Rating	IP65			
Supply Include	Gland plate and Door with PU gasket seal / Waterproof handle lock			



Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		จำนวนลิ๊อค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CRS-01	280	405	150	230	314	1	6.28
CRS-02	300	505	150	250	414	1	7.89
CRS-03	300	505	200	250	414	1	8.69
CRS-04	350	505	200	300	414	1	9.71
CRS-05	350	555	200	300	464	1	10.49

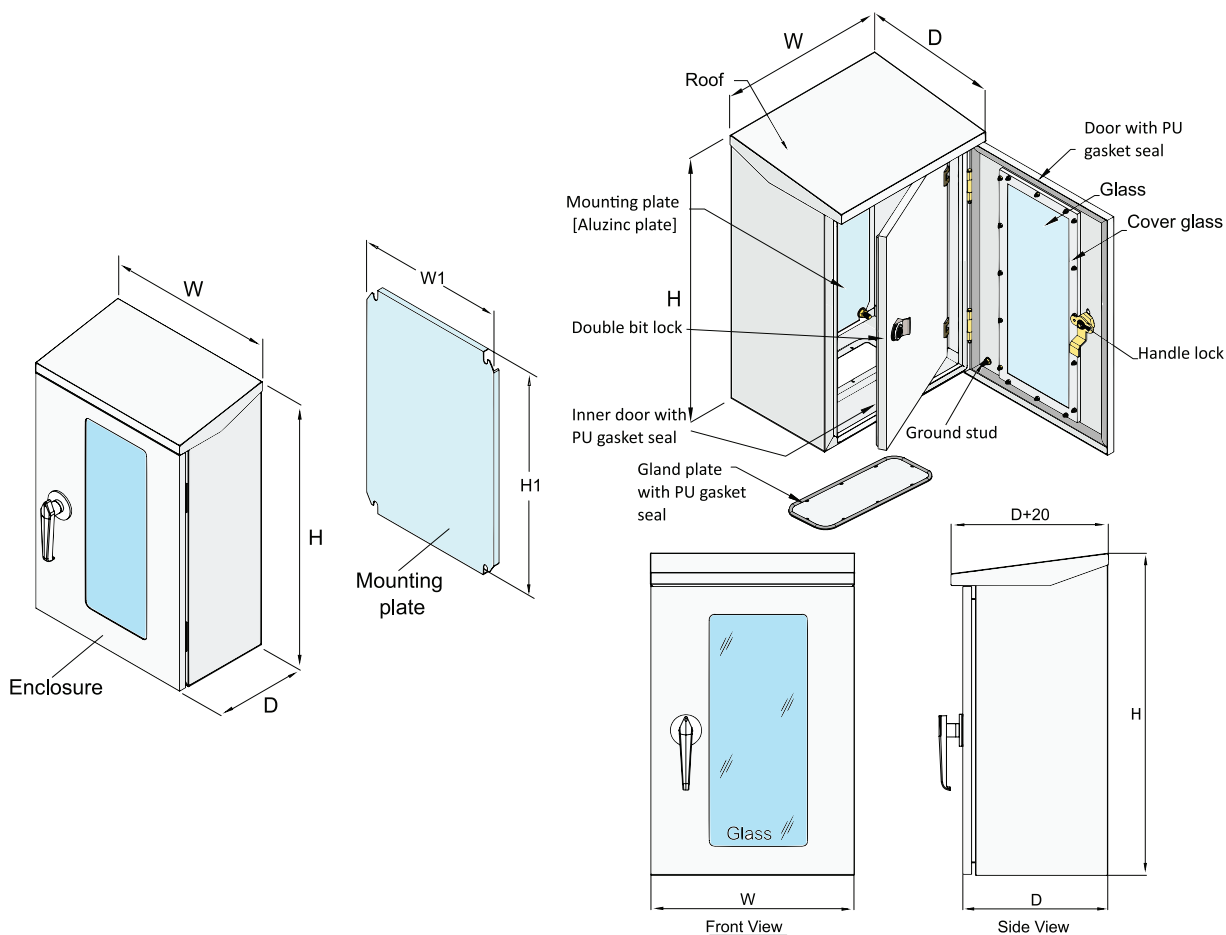


CRSG Series is similar to CRS Series, plus a double door with a clear glass window on the front door. Also available in 5 standard sizes.

ตู้มาตรฐานรุ่นใหม่ CRSG มีหลังคาลาดเอียง ซึ่งสามารถกันน้ำและฝุ่นได้ถึง IP-65 เหมาะสำหรับการใช้งานติดตั้ง และงานนอกอาคาร ประตูหน้ามีกระจกใส เพื่อง่ายต่อการตรวจเช็คการทำงานของระบบไฟภายในตู้

Specification

Material	Electro-Galvanized Steel (EG)			Aluminium-Zinc Coated Steel (Aluzinc)
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CRSG-01 to CRSG-05	1.2 mm.	1.5 mm.	1.2 mm.	1.5 mm.
Finished Surface	Polyester powder coated with UV protecton paint RAL-7032			Aluminium-Zinc Coated Steel (Aluzinc)
Protection Rating	IP65			
Supply Include	Gland plate and Door with PU gasket seal / Waterproof handle lock			



Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate (Aluzinc Plate)		จำนวนลิคค์ Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CRSG-01	280	405	200	230	314	1	9.29
CRSG-02	300	505	200	250	414	1	11.89
CRSG-03	300	505	250	250	414	1	12.67
CRSG-04	350	505	250	300	414	1	14.20
CRSG-05	350	555	250	300	464	1	15.44

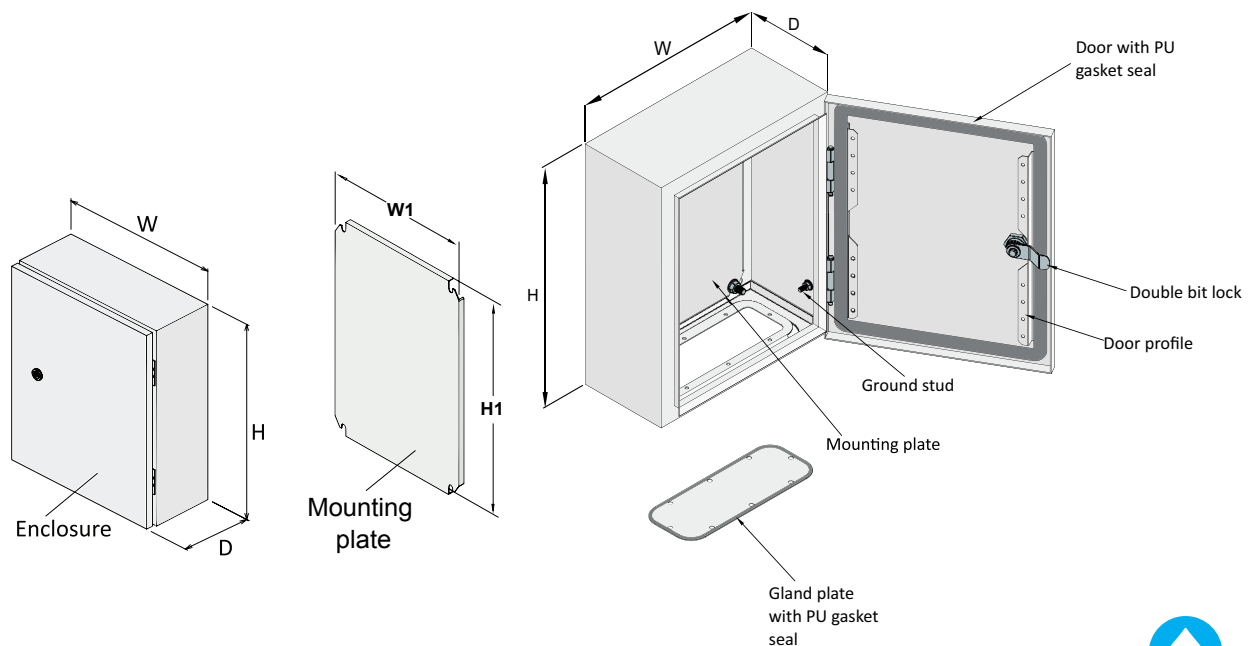


CE-STL is a stainless-steel enclosure, with a hygienically designed door corner, that is suitable for both indoor and outdoor uses in a humid environment such as industrial food manufacturing plants or acidic areas. This enclosure is made of a high-quality stainless-steel Grade SUS304. Adding the polyurethane foam gasket to provide excellent sealing efficiency, it can secure the enclosure at IP55. Available in 14 standard sizes.

ตู้ CE สแตนเลส ออกแบบมารองรับการใช้งานในพื้นที่ที่มีความชื้น บริเวณพื้นที่ชายทะเล หรือพื้นที่ที่มีกรดหรือด่าง เช่น โรงงานอุตสาหกรรมอาหาร โรงงานอุตสาหกรรมเคมี วัสดุผลิตจากสแตนเลส SUS304 และสามารถกันน้ำและฝุ่นได้ถึง IP-55 CE สแตนเลสรุ่นนี้มีขนาดให้เลือกถึง 14 ขนาดด้วยกัน

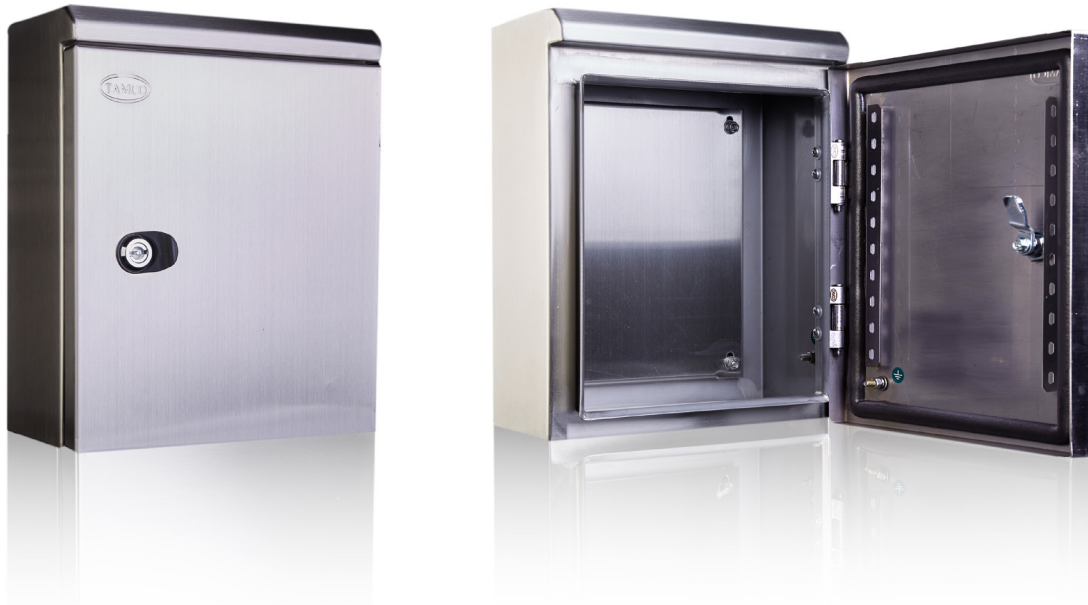
Specification

Material	Stainless Steel Sheet SUS304			
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CE-STL-01 to CE-STL-11	1.0 mm.	1.5 mm.	1.0 mm.	1.0 mm.
CE-STL-12 to CE-STL-14	1.5 mm.	1.5 mm.	1.5 mm.	1.5 mm.
Finished Surface	Brushed			
Protection Rating	IP55			
Supply Include	Gland plate and Door with PU gasket seal / Double bit lock with key			



Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลที่ยึดอุปกรณ์ Mounting Plate		จำนวนล็อค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CE-STL-01	280	350	150	220	290	1	5.32
CE-STL-02	300	450	150	240	390	1	6.87
CE-STL-03	300	450	200	240	390	1	7.55
CE-STL-04	350	450	200	290	390	1	8.39
CE-STL-05	350	500	200	290	440	2	9.16
CE-STL-06	400	500	200	340	440	2	10.13
CE-STL-07	450	600	250	390	540	2	13.77
CE-STL-08	500	600	250	440	540	2	14.90
CE-STL-09	550	700	250	490	640	2	18.42
CE-STL-10	630	750	250	570	690	2	21.62
CE-STL-11	630	900	250	570	840	2	25.26
CE-STL-12	700	1100	250	640	1040	2	41.86
CE-STL-13	800	1200	300	740	1140	2	55.80
CE-STL-14	900	1200	300	840	1140	2	61.02

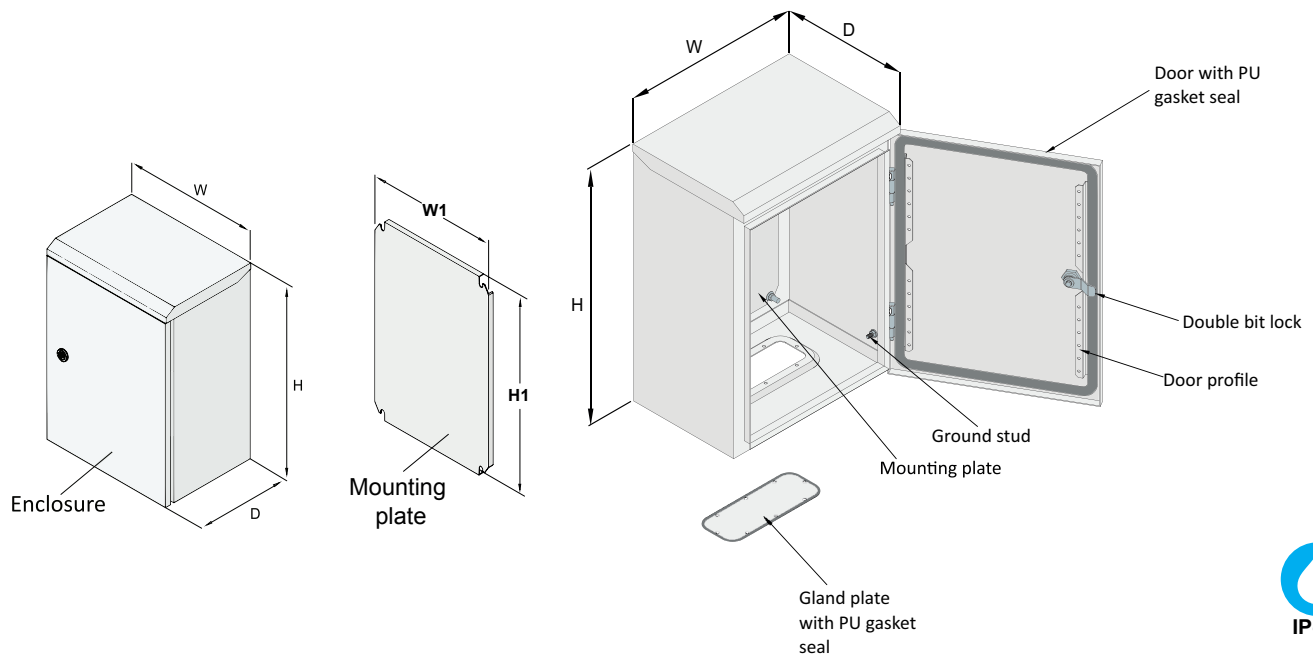


CES-STL IP55. This compact enclosure comes with a canopy that provides extra prevention from the ingress of water spray. This series is suitable for outdoor purposes. It is made of stainless-steel Grade SUS304 which can endure the high humidity environment. Available in 14 standard sizes.

ตู้ CES สแตนเลส ออกแบบมารองรับการใช้งานบริเวณกลางแจ้งและภายนอกอาคาร วัสดุผลิตจากสแตนเลส SUS304 และสามารถกันน้ำและฝุ่นได้ถึง IP-55

Specification

Material	Stainless Steel Sheet SUS304			
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CES-STL-01 to CES-STL-14	1.5 mm.	1.5 mm.	1.5 mm.	1.5 mm.
Finished Surface	Brushed			
Protection Rating	IP55			
Supply Include	Gland plate and Door with PU gasket seal / Double bit lock with key			



Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate		จำนวนล็อค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CES-STL-01	280	350	150	220	255	1	7.81
CES-STL-02	300	450	150	240	355	1	9.95
CES-STL-03	300	450	200	240	355	1	11.05
CES-STL-04	350	450	200	290	355	1	12.33
CES-STL-05	350	500	200	290	405	2	13.43
CES-STL-06	400	500	200	340	405	2	14.77
CES-STL-07	450	600	250	390	505	2	20.20
CES-STL-08	500	600	250	440	505	2	21.87
CES-STL-09	550	700	250	490	605	2	26.84
CES-STL-10	630	750	250	570	655	2	31.45
CES-STL-11	630	900	250	570	805	2	36.54
CES-STL-12	700	1100	250	640	1005	2	46.35
CES-STL-13	800	1200	300	740	1105	2	61.27
CES-STL-14	900	1200	300	840	1105	2	67.17

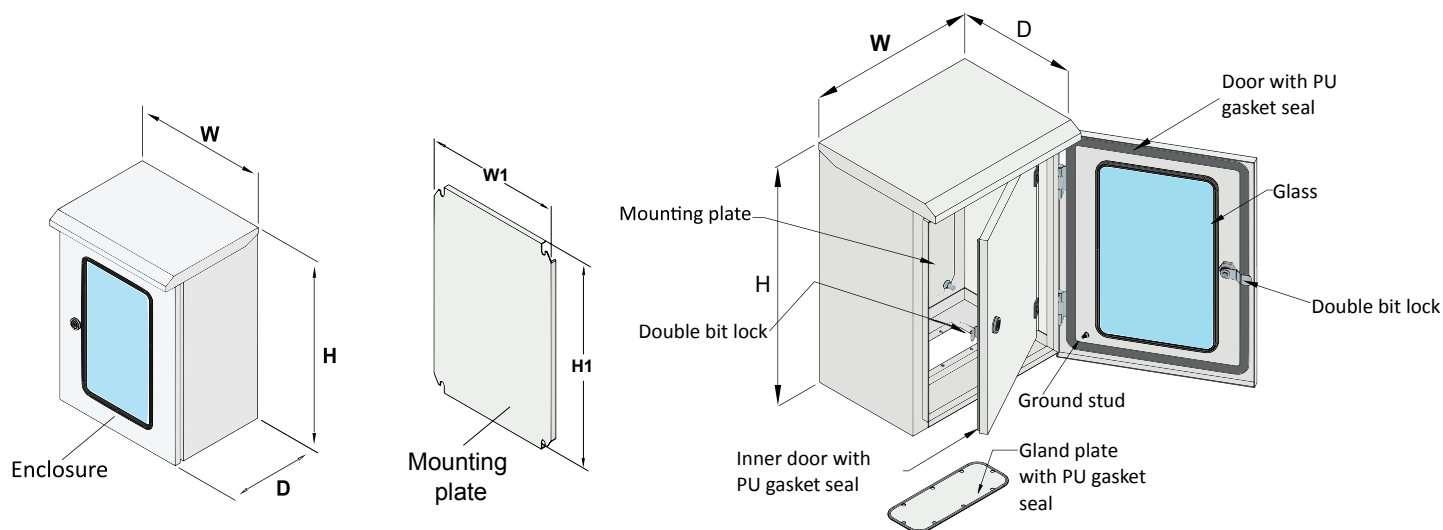


CESG-STL has a double door, a canopy, and a glass window on the front door. The enclosure is made of stainless-steel Grade SUS304 which can endure the high humidity environment. The enclosure is suitable for outdoor purposes. Available in 14 standard sizes.

ตู้ CESG สแตนเลส เป็นตู้ประตูสองชั้น และมีกระจกหน้าต่างที่ออกแบบมารองรับการใช้งานบริเวณกลางแจ้ง และภายนอกอาคาร วัสดุผลิตจากสแตนเลส SUS304 และสามารถกันน้ำและฝุ่นได้ถึง IP-55

Specification

Material	Stainless Steel Sheet SUS304			
Size	Enclosure Frame	Door	Gland Plate	Mounting Plate
CESG-STL-01 to CESG-STL-14	1.5 mm.	1.5 mm.	1.5 mm.	1.5 mm.
Finished Surface	Brushed			
Protection Rating	IP55			
Supply Include	Gland plate and Door with PU gasket seal / Double bit lock with key			



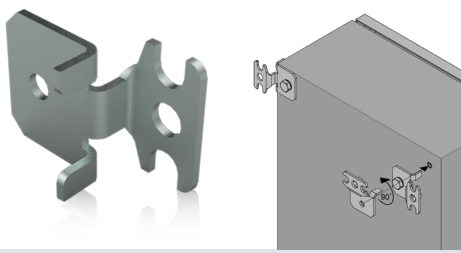
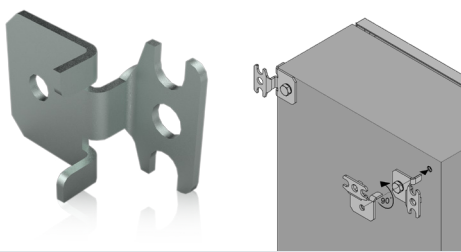
Price List

รุ่น Model	ขนาดตู้ Enclosure Dimensions			เพลทยึดอุปกรณ์ Mounting Plate		จำนวนลิ้นค Door handle lock Qty.	น้ำหนักตู้ Approx. Weight (Kg.)
	Width (W)	Height (H)	Depth (D)	Dimension (mm.) W1 H1			
CESG-STL-01	280	350	200	205	210	1	9.68
CESG-STL-02	300	450	200	225	310	1	12.48
CESG-STL-03	300	450	250	225	310	1	13.58
CESG-STL-04	350	450	250	275	310	1	15.21
CESG-STL-05	350	500	250	275	360	2	16.63
CESG-STL-06	400	500	250	325	360	2	18.41
CESG-STL-07	450	600	300	375	460	2	24.93
CESG-STL-08	500	600	300	425	460	2	27.07
CESG-STL-09	550	700	250	475	560	2	33.33
CESG-STL-10	630	750	250	555	610	2	39.27
CESG-STL-11	630	900	250	555	760	2	45.77
CESG-STL-12	700	1100	250	625	960	2	58.23
CESG-STL-13	800	1200	300	725	1060	2	76.63
CESG-STL-14	900	1200	300	825	1060	2	84.07

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description
	กุญแจเหลี่ยม TAMCO (TAMCO Square Cylinder Lock) Model: TAMSQ-001 Material and finish: zinc alloy chromed handle and housing, steel cam Application: cam quarter-turn to open or close, with function of locking IP Rating: IP55
	กุญแจกลมสีเงิน เกี้ยวยาว (Silver Round Adjustable Lock) Model: TAMLRD-006 Material and finish: zinc alloy and cadmium plating Application: cam quarter-turn to open or close, with function of locking (Adjustable Double Bit Lock) IP Rating: IP54
	กุญแจกลมสีดำ (Black Round Cylinder Lock) Model: TAMLRD-002 Material and finish: black coated zinc alloy housing, and white zinc plated steel cam Application: cam quarter-turn for opening or closing IP Rating: IP65
	กุญแจกลม (Silver Round Cylinder Lock) Model: TAMLRD-003 Material and finish: zinc alloy chromed, steel cam Application: cam quarter-turn for opening or closing IP Rating: IP65
	กุญแจกลมสีดำ (Black Round Cylinder Lock) Model: TAMLRD-004 Material and finish: black coated zinc alloy housing and white zinc plated steel cam Application: cam quarter-turn for opening or closing IP Rating: IP54
	กุญแจหุกระเป่าเหล็ก (Toggle and Hook Lock) Model: TAMLSW-010 Material and finish: metal chromed housing

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description
	กุญแจหุกระเป๋าสแตนเลสขนาดเล็ก (Small Stainless Toggle and Hook Lock) Model: TAMLSW-011 Material and finish: stainless steel (SUS304), brushed
	กุญแจหุกระเป๋าสแตนเลสขนาดเล็ก แบบมีสปริง (Small Stainless Toggle and Hook Lock with Spring) Model: TAMLSW-012 Material and finish: stainless steel (SUS304), brushed Brand: TAKIGEN
	กุญแจหุกระเป๋าสแตนเลสขนาดใหญ่ แบบมีสปริง (Large Stainless Toggle and Hook Lock with Spring) Model: TAMLSW-013 Material and finish: stainless steel (SUS304), brushed Brand: TAKIGEN
	กุญแจหุกระเป๋าสแตนเลสขนาดใหญ่ แบบมีสปริง (Large Steel Toggle and Hook Lock with Spring) Model: TAMLSW-015 Material and finish: steel, chromed Brand: TAKIGEN
	กุญแจหุกระเป๋าสแตนเลสขนาดเล็ก แบบมีสปริง (Small Steel Toggle and Hook Lock with Spring) Model: TAMLSW-017 Material and finish: steel, chromed Brand: TAKIGEN
	กุญแจคอนโทรลสีเงิน ขนาดเล็ก (Silver Small Control Lock) Model: TAMLSW-006 Material and finish: silver coated with zinc alloy housing Application: handle quarter-turn to open or close IP Rating: IP40

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description
	กุญแจคอนโทรลสีดำ ขนาดเล็ก (Black Small Control Lock) Model: TAMLSW-007 Material and finish: black coated with zinc alloy housing Application: handle quarter-turn to open or close IP Rating: IP40
	กุญแจคอนโทรลสีดำ (Black Control Lock) Model: TAMLSW-035 Material and finish: zinc die housing, Black powder coated Application: handle quarter-turn combines with rod latch system to open or close IP Rating: IP65
	กุญแจคอนโทรลสีเงิน (Silver Control Lock) Model: TAMLSW-022 Material and finish: silver coated with zinc alloy housing Application: handle quarter-turn to open or close IP Rating: IP40
	กุญแจคอนโทรลสีเงิน (Silver Rod Control Lock) Model: TAMLSW-054 Material and finish: zinc alloy chromed housing Application: 90° rotation of the back drive the gear box to lock and unlock IP Rating: IP55
	กุญแจแฮนด์วอเตอร์พroof (Waterproof Handle Lock) Model: TAMLSW-008 Material and finish: zinc alloy chromed housing Application: handle quarter-turn to open or close IP Rating: IP65
	กุญแจแฮนด์วอเตอร์พroof สแตนเลส 316 (Waterproof Handle Lock) Model: TAMLSW-009 Material and finish: stainless steel (SUS316), brushed Application: handle quarter-turn to open or close IP Rating: IP65

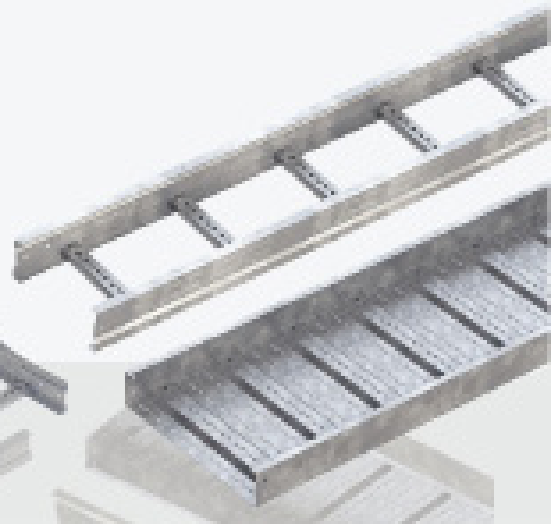
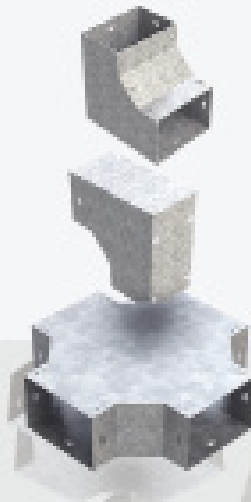
ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description		
	กุญแจคอนโทรลสแตนเลส 316 (Stainless Steel 316 Rod Control Lock) Model: TAMLSW-003 Material and finish: stainless steel (SUS316), brushed IP Rating: IP65		
	กุญแจคอนโทรลสีดำ (Black Rod Control Lock) Model: TAMLSW-064 Material and finish: Black powder coated ZDC handle and housing, white zinc-plated ZDC rod Application: Handle rotation to open or close rapidly IP Rating: IP40		
	ซัพพอร์ตยึดผนัง (Wall Mounting Kits) Model: TAMWMK-001 Material and finish: Posmac steel (2.5mm.) Application: enclosure's accessories for wall mounting function. Designed for 90° adjustable, which suits for both vertical and horizontal installation. (Load limit: 200Kg.) Pack of: 4 pc (s). Supply include: 4 sets of M8x20L white zinc screws		
	ซัพพอร์ตยึดผนังสแตนเลส (Stainless Wall Mounting Kits) Model: TAMWMK-002 Material and finish: stainless steel SUS304 (2.5mm.), brushed Application: enclosure's accessories for wall mounting function. Designed for 90° adjustable, which suits for both vertical and horizontal installation. (Load limit: 200Kg.) Pack of: 4 pc (s). Supply include: 4 sets of M8x20L stainless steel SUS304 screws		
	<table border="1"> <tr> <td data-bbox="619 1552 927 1787"> ฝาพลาสติกยึดกุญแจ (Pull Handle for Lock) Model: TAMACO-001 Material and finish: black PA polyamide nylon Application: for easy opening of the door panel </td><td data-bbox="954 1552 1268 1787"> ฝาพลาสติกครอบกุญแจ (Black Plastic Cover for Lock) Model: TAMACO-002 Material and finish: black PA polyamide nylon Application: waterproof for lock </td></tr> </table>	ฝาพลาสติกยึดกุญแจ (Pull Handle for Lock) Model: TAMACO-001 Material and finish: black PA polyamide nylon Application: for easy opening of the door panel	ฝาพลาสติกครอบกุญแจ (Black Plastic Cover for Lock) Model: TAMACO-002 Material and finish: black PA polyamide nylon Application: waterproof for lock
ฝาพลาสติกยึดกุญแจ (Pull Handle for Lock) Model: TAMACO-001 Material and finish: black PA polyamide nylon Application: for easy opening of the door panel	ฝาพลาสติกครอบกุญแจ (Black Plastic Cover for Lock) Model: TAMACO-002 Material and finish: black PA polyamide nylon Application: waterproof for lock		
	บานพับ MDB (Hinge for MDB) Model: TAMAHI-001 Material and finish: zinc alloy hinge, galvanized steel pin Application: opening angle 110°		

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description
	บานพับประตู (Door Stay) Model: TAMAHI-002 Material and finish: galvanized steel Application: door stop
	บานพับประตูซ้าย-ขวา (LH/RH Door Stay) Model: TAMAHI-003/TAMAHI-004 Material and finish: galvanized steel Application: door stop
	มือจับชุบโครเมียม (Chromed Steel Handle) Model: TAMAHN-001 Material and finish: chromed steel
	มือจับพลาสติกสีดำ (Black Plastic Handle) Model: TAMAHN-002 Material and finish: black ABS (Acrylonitrile butadiene styrene)
	ลูกกุญแจสั้น (Short Key) Model: TAMAKY-001 Material and finish: zinc alloy, chromed
	ลูกกุญแจยาว (Long Key) Model: TAMAKY-002 Material and finish: zinc alloy

ประเภทอุปกรณ์เสริม Accessories Type	รายละเอียดสินค้า Product Description
	สีสเปรย์สำหรับงานซ่อมงานสีตู้ (Spray Color for Repairing the Enclosure Color) Model: TAMCO #8133 (RAL7032) Color : cream
	สีสเปรย์สำหรับงานซ่อมงานสีตู้ (Spray Color for Repairing the Enclosure Color) Model: TAMCO #9015 (RAL7035) Color : light gray
	สีสเปรย์สำหรับงานซ่อมงานสีตู้ (Spray Color for Repairing the Enclosure Color) Model: TAMCO #9014 Color : gray
	โฟมยางขอบประตู (Polyurethane Gasket Foam) Pack Size: depends on the requirement, unit: meter
	Model: VF-130 (Fan + Filter Mask set) Air Volume: 25 CFM. Noise Level: 47-53 dB (A) Fan Voltage: 220V. AC 50 Hz. Power/Current: 16 Watt/0.13 Amp. Front Dimension: 150 x 150 mm. * Additional filter will cost 400.00 Baht
	Model: VF-255 (Fan + Filter Mask set) Air Volume: 120 CFM. Noise Level: 58 dB (A) Fan Voltage: 220V. AC 50 Hz. Power/Current: 4.0 Watt/0.3 Amp. Front Dimension: 255 x 255 mm. * Additional filter will cost 800.00 Baht



Product Group		CE Series	ME Series
Product Name		Compact Enclosure	Modular Free-standing Enclosure
Product Descriptions		Small to large compact enclosure that comes with 14 different sizes. Suitable for both indoor and outdoor uses.	Knock-down enclosure with flexible solutions. Available in 7 sizes. Suitable for both indoor and outdoor uses.
Material	Steel (EG)	•	•
	Stainless Steel	•	
	Steel (Hot-rolled)		
	Steel (Cold-rolled)		
Coating	Hot-dip galvanized		
	Polyester powder paint	•	•
IP rating	IP40	•	•
	IP55	•	•
	IP65	•	
Made-to-order options		Available	Available
Customized in sizes, materials, cut-outs, color			



CD Series

Control Desk

This series is designed for controlling machinery system, electronics and communication devices.

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-
-

Available

Trunking system

Wire way

Suitable for indoor electrical system installation. Coated with polyester powder paint.

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-
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Available

Cable Ladder

Suitable for both indoor and outdoor electrical system installation. Coated with Hot-dip galvanized process or polyester powder paint.

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Available

Cable Tray

Suitable for indoor electrical installation that needs special strength which can carry up to 600Kg. Coated with polyester powder paint or hot-dip galvanized.

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Available

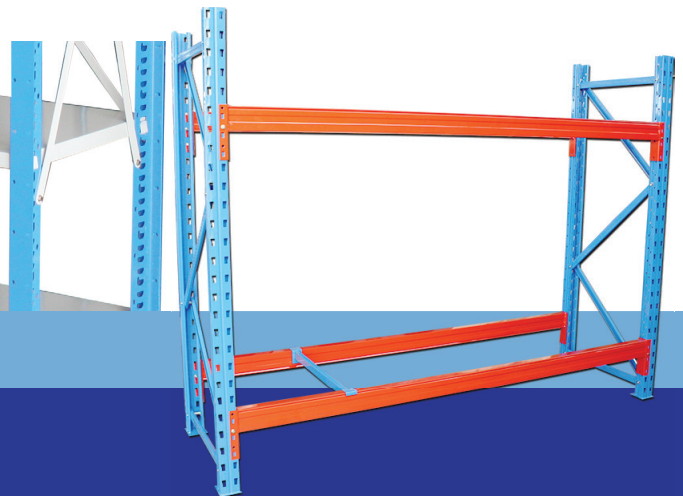


Accessories

TAMCO Racking System is designed to facilitate the maximum number of pallets in a given space and provide 100% accessibility. Manufactured from the hot rolled steel, the strength and quality are guaranteed.

Types of racking system :

- Micro Racking system
- Medium Racking system
- Selective Racking system
- Drive-in Racking system
- Cantilever Racking system
- VNA Racking system
- Push-Back Racking system
- Slide Racking system
- Mezzanine Floor Racking system
- Flow Racking system





Our Technology Partner



SIVACON S8 Low-Voltage Switchboard



Technical Data

Standards and approvals		
Standards and prescriptions	Power switchgear and controlgear assembly (design verification)	IEC 61439-2
	Testing under conditions of arcing due to internal fault	IEC/TR 61641
	Induced vibrations	IEC 60068-3-3 IEC 60068-2-6 IEC 60068-2-57 IEC 60980 KTA 2201.4 Uniform Building Code (UBC), Edition 1997 Vol. 2, Ch. 19, Div. IV
	Protection against electric shock	EN 50274
Approvals and certifications	Europe Russia, Belarus, Kazakhstan China	CE Marking and EC Declaration of Conformity EAC (Eurasian Conformity) CCC
	Det Norske Veritas Lloyds Register of Shipping	DNV GL Type Approval Certificate LR Type Approval Certificate
	Shell Conformity	"DEP Shell"
Rated operational voltage (U_e)	Main circuit	Up to 690 V (rated frequency f_n 50 Hz)
Clearances and creepage distances	Rated impulse withstand voltage (U_{imp})	8 kV
	Rated insulation voltage (U_i)	1,000 V
	Degree of pollution	3
Main busbars, horizontal	Rated current	Up to 7,010 A
	Rated peak withstand current (I_{pk})	Up to 330 kA
	Rated short-time withstand current (I_{cw})	Up to 150 kA, 1 s
Rated currents of devices	Circuit breakers	Up to 6,300 A
	Cable feeders	Up to 630 A
	Motor feeders	Up to 250 kW
Internal separation	IEC 61439-2	Form 1 to form 4
	BS EN 61439-2	Up to form 4 type 7
IP degree of protection	In accordance with IEC 60529	Ventilated up to IP43 Non-ventilated IP54
Mechanical strength	IEC 62262	Up to IK10
Dimensions	Height (without base)	2,000, 2,200 mm
	Height of base (optional)	100, 200 mm
	Cubicle width	200, 350, 400, 600, 800, 850, 1,000, 1,200, 1,400 mm
	Depth (single front)	500, 600, 800, 1,000, 1,200 mm
Installation conditions	Indoor installation, ambient air temperature in the 24-h mean	+ 35°C (-5°C to + 40°C)

SIMOPRIME Medium-Voltage Switchgear



Technical Data

Ratings

Electrical data (maximum values) of SIMOPRIME

Ratings	Rated values (max.)
Switchgear up to 7.2 kV	
Rated voltage	7.2 kV
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage	20 kV ¹⁾
Rated lightning impulse withstand voltage	60 kV
Rated short-time withstand current, 3 s	40 kA
Rated peak withstand current at 50/60 Hz	100/104 kA
Rated short-circuit breaking current	40 kA
Rated short-circuit making current at 50/60 Hz	100/104 kA
Rated normal current of busbar	3600 A
Rated normal current of feeders – with circuit-breaker – with vacuum contactor	3600 A 400 A ²⁾

Switchgear 12 kV

Rated voltage	12 kV
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage	28 kV ¹⁾
Rated lightning impulse withstand voltage	75 kV ³⁾
Rated short-time withstand current, 3 s	40 kA
Rated peak withstand current at 50/60 Hz	100/104 kA
Rated short-circuit breaking current	40 kA
Rated short-circuit making current at 50/60 Hz	100/104 kA
Rated normal current of busbar	3600 A
Rated normal current of feeders – with circuit-breaker – with vacuum contactor	3600 A 400 A ²⁾

Ratings	Rated values (max.)
Switchgear 15 kV	
Rated voltage	15 kV
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage	35 kV
Rated lightning impulse withstand voltage	95 kV
Rated short-time withstand current, 3 s	40 kA
Rated peak withstand current at 50/60 Hz	100/104 kA
Rated short-circuit breaking current	40 kA
Rated short-circuit making current at 50/60 Hz	100/104 kA
Rated normal current of busbar	3600 A
Rated normal current of feeders – with circuit-breaker	3600 A

Switchgear 17.5 kV

Rated voltage	17.5 kV
Rated frequency	50/60 Hz
Rated short-duration power-frequency withstand voltage	38 kV
Rated lightning impulse withstand voltage	95 kV
Rated short-time withstand current, 3 s	40 kA
Rated peak withstand current at 50/60 Hz	100/104 kA
Rated short-circuit breaking current	40 kA
Rated short-circuit making current at 50/60 Hz	100/104 kA
Rated normal current of busbar	3600 A
Rated normal current of feeders – with circuit-breaker	3600 A

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