



METAL ENCLOSURES

Floor Standing, Wall Mounting, Ex-Enclosures



desystems.org



Product Overview

Digital Electric Systems offers Standard Metal Enclosures that are designed for safety, reliability and type tested as per the latest edition of IEC 61439 standards. DES metal enclosures are known for their exceptional craftsmanship, featuring seamlessly joined corners and a secure outer door that not only swings open for easy access but also acts as a protective cover. This elegant design seamlessly integrates with the overall aesthetics of your building.

We offer a diverse range of models tailored to suit various applications, including indoor and outdoor use, commercial and industrial, as well as specialized designs to meet your unique needs.



Applications

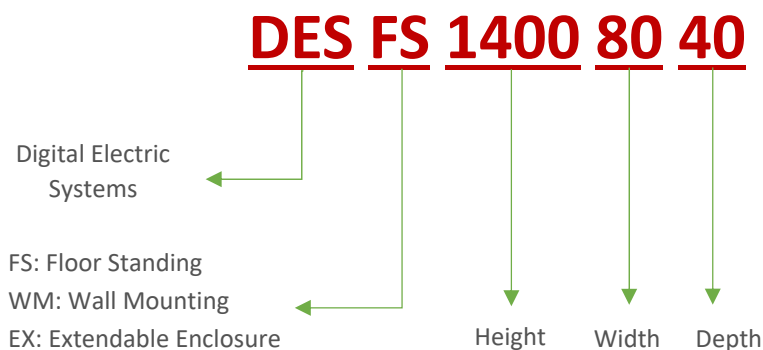
With the unique range, you can discover the perfect fit for your specific need to better suit the installation environment, from small boxes to large suitable floor-standing enclosures.

DES enclosures are polyester powder coated for robustness, offering corrosion and humidity protection to avoid rusting caused by moisture. The enclosure's tight seal prevents dust and water from getting into the panels and wiring.

Customised enclosures can be manufactured to your particular needs, including:

- Sizes
- Wall Mounting, Floor Mounting
- Mounting
- Material thickness
- Colors

Define the Distribution Board of your need.



1. Wall Mounting Enclosures

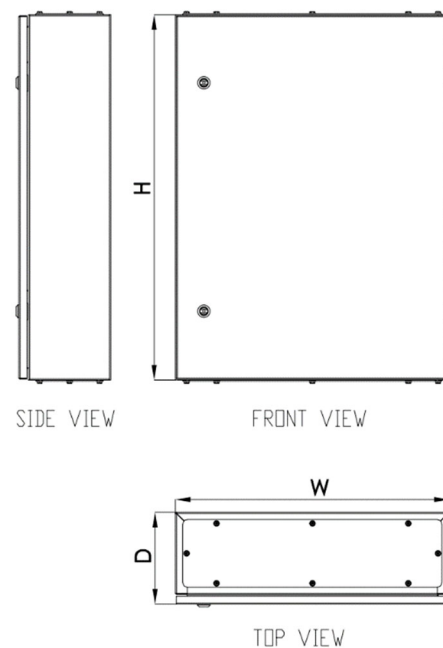
DES WM range is a single door metal enclosure, designed with 1 or 2 points cam locks, available with maximum dimensions up to 1200*1000 mm.

Functions and Technical data

- Designed as per new standard: IEC 61439-2
- Ingress Protection: IP55
- Mechanical Impact Protection: IK10
- Made of high quality electro-galvanized (EG) Sheet steel enclosure of thickness: 1.5mm
- Standard mounting plate 2mm thickness (EG)
- Polyester powder coated light grey color: RAL 7035, other colors available upon request.

Dimension Details

Wall Mounting Enclosure						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
1	DESWM02502015	250	200	150	1.5	2.0
2	DESWM03002515	300	250	150	1.5	2.0
3	DESWM03003015	300	300	150	1.5	2.0
4	DESWM03003020	300	300	200	1.5	2.0
5	DESWM04003015	400	300	150	1.5	2.0
6	DESWM04003020	400	300	200	1.5	2.0
7	DESWM04004020	400	400	200	1.5	2.0
8	DESWM05004020	500	400	200	1.5	2.0
9	DESWM05004025	500	400	250	1.5	2.0
10	DESWM05005020	500	500	200	1.5	2.0
11	DESWM05005025	500	500	250	1.5	2.0
12	DESWM06004015	600	400	150	1.5	2.0
13	DESWM06004020	600	400	200	1.5	2.0
14	DESWM06004025	600	400	250	1.5	2.0
15	DESWM06005020	600	500	200	1.5	2.0
16	DESWM06005025	600	500	250	1.5	2.0
17	DESWM06006020	600	600	200	1.5	2.0
18	DESWM06006025	600	600	250	1.5	2.0
19	DESWM06006030	600	600	300	1.5	2.0
20	DESWM08006020	800	600	200	1.5	2.0
21	DESWM08006025	800	600	250	1.5	2.0
22	DESWM08006030	800	600	300	1.5	2.0
23	DESWM08008020	800	800	200	1.5	2.0
24	DESWM08008025	800	800	250	1.5	2.0
25	DESWM08008030	800	800	300	1.5	2.0
26	DESWM10006025	1000	600	250	1.5	2.0
27	DESWM10006030	1000	600	300	1.5	2.0
28	DESWM10008025	1000	800	250	1.5	2.0
29	DESWM10008030	1000	800	300	1.5	2.0
30	DESWM100010025	1000	1000	250	1.5	2.0
31	DESWM100010030	1000	1000	300	1.5	2.0
32	DESWM12006030	1200	600	300	1.5	2.0
33	DESWM12006040	1200	600	400	1.5	2.0
34	DESWM12008030	1200	800	300	1.5	2.0
35	DESWM12008040	1200	800	400	1.5	2.0
36	DESWM120010030	1200	1000	300	1.5	2.0
37	DESWM120010040	1200	1000	400	1.5	2.0



2. Wall Mounting Enclosures - SS

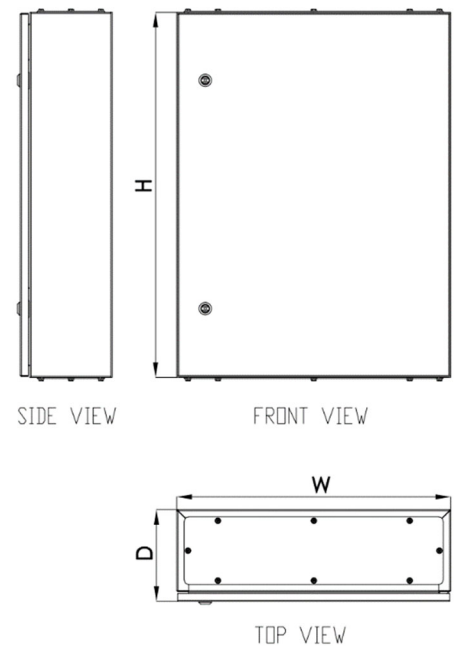
DES SS range is a single door wall mounting stainless steel enclosure, designed with 1 or 2 points cam locks, available with maximum dimensions up to 1200*1000 mm.

Stainless steel enclosures are widely utilised in commercial and industrial applications, as well as in the power distribution and energy industries. Stainless steel's corrosion resistance and ability to withstand frequent washdowns are essential when working with harsh environments and where these industries are located, such as coastal areas or offshore applications.

Functions and Technical data

- Designed as per new standard: IEC 61439-2
- Ingress Protection: IP66
- Mechanical Impact Protection: IK10
- Made of stainless steel with enclosure thickness: 1.5mm
- Stainless steel mounting plate of 2mm thickness

Wall Mounting Enclosure - SS						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
1	DESWM02502015-SS	250	200	150	1.5	2
2	DESWM03002515-SS	300	250	150	1.5	2
3	DESWM03003015-SS	300	300	150	1.5	2
4	DESWM03003020-SS	300	300	200	1.5	2
5	DESWM04003015-SS	400	300	150	1.5	2
6	DESWM04003020-SS	400	300	200	1.5	2
7	DESWM04004020-SS	400	400	200	1.5	2
8	DESWM05004020-SS	500	400	200	1.5	2
9	DESWM05004025-SS	500	400	250	1.5	2
10	DESWM05005020-SS	500	500	200	1.5	2
11	DESWM05005025-SS	500	500	250	1.5	2
12	DESWM06004015-SS	600	400	150	1.5	2
13	DESWM06004020-SS	600	400	200	1.5	2
14	DESWM06004025-SS	600	400	250	1.5	2
15	DESWM06005020-SS	600	500	200	1.5	2
16	DESWM06005025-SS	600	500	250	1.5	2
17	DESWM06006020-SS	600	600	200	1.5	2
18	DESWM06006025-SS	600	600	250	1.5	2
19	DESWM06006030-SS	600	600	300	1.5	2
20	DESWM08006020-SS	800	600	200	1.5	2
21	DESWM08006025-SS	800	600	250	1.5	2
22	DESWM08006030-SS	800	600	300	1.5	2
23	DESWM08008020-SS	800	800	200	1.5	2
24	DESWM08008025-SS	800	800	250	1.5	2
25	DESWM08008030-SS	800	800	300	1.5	2
26	DESWM10006025-SS	1000	600	250	1.5	2
27	DESWM10006030-SS	1000	600	300	1.5	2
28	DESWM10008025-SS	1000	800	250	1.5	2



Wall Mounting Enclosure - SS						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
29	DESWM10008030-SS	1000	800	300	1.5	2
30	DESWM100010025-SS	1000	1000	250	1.5	2
31	DESWM100010030-SS	1000	1000	300	1.5	2
32	DESWM12006030-SS	1200	600	300	1.5	2
33	DESWM12006040-SS	1200	600	400	1.5	2
34	DESWM12008030-SS	1200	800	300	1.5	2
35	DESWM12008040-SS	1200	800	400	1.5	2
36	DESWM120010030-SS	1200	1000	300	1.5	2
37	DESWM120010040-SS	1200	1000	400	1.5	2

3. Floor Standing Enclosures

Functions and Technical data

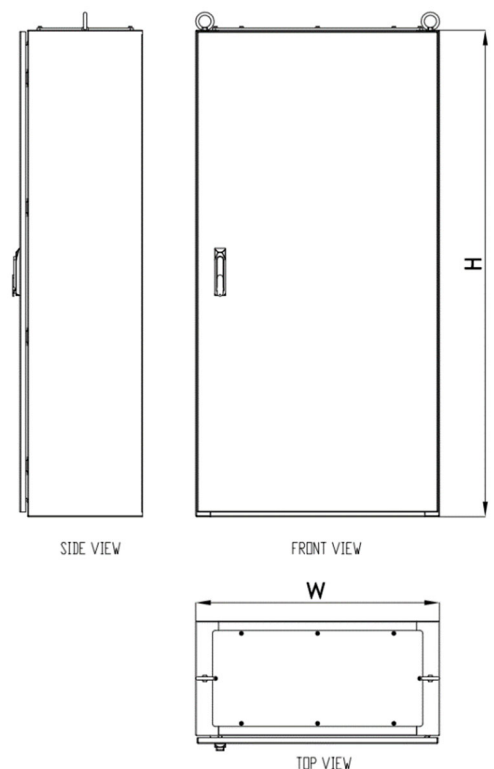
- Designed as per new standard: IEC 61439-2
- Ingress Protection: IP55
- Mechanical Impact Protection: IK10
- Made of high quality electro-galvanized (EG) Sheet steel enclosure of thickness: 2mm
- Standard mounting plate 2.5mm thickness (EG)
- Polyester powder coated light grey color: RAL 7035, other colors available upon request.
- Single & Double Door Floor Standing Enclosures

Dimension Details

Floor Standing Enclosure – Single Door

DES FS range is a single door metal enclosure, designed with 3 points lock handle, available with maximum dimensions up to 2000*1000 mm

Floor Standing Enclosure - Single Door						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
1	DESFS12008030	1200	800	300	2.0	2.5
2	DESFS120010030	1200	1000	300	2.0	2.5
3	DESFS14006030	1400	600	300	2.0	2.5
4	DESFS14006040	1400	600	400	2.0	2.5
5	DESFS14008030	1400	800	300	2.0	2.5
6	DESFS14008040	1400	800	400	2.0	2.5
7	DESFS140010030	1400	1000	300	2.0	2.5
8	DESFS140010040	1400	1000	400	2.0	2.5
9	DESFS16006030	1600	600	300	2.0	2.5
10	DESFS16006040	1600	600	400	2.0	2.5
11	DESFS16008030	1600	800	300	2.0	2.5
12	DESFS16008040	1600	800	400	2.0	2.5

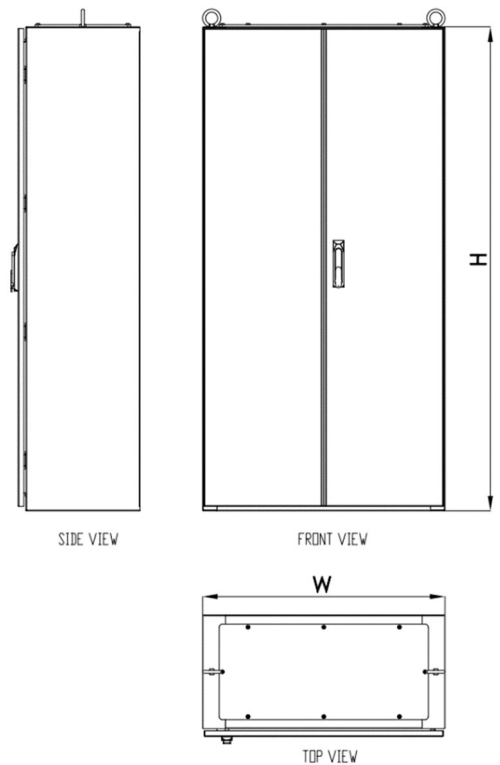


Floor Standing Enclosure - Single Door						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
13	DESFS160010030	1600	1000	300	2	2.5
14	DESFS160010040	1600	1000	400	2	2.5
15	DESFS18006030	1800	600	300	2	2.5
16	DESFS18006040	1800	600	400	2	2.5
17	DESFS18008030	1800	800	300	2	2.5
18	DESFS18008040	1800	800	400	2	2.5
19	DESFS180010030	1800	1000	300	2	2.5
20	DESFS180010040	1800	1000	400	2	2.5
21	DESFS20006030	2000	600	300	2	2.5
22	DESFS20006040	2000	600	400	2	2.5
23	DESFS20008030	2000	800	300	2	2.5
24	DESFS20008040	2000	800	400	2	2.5
25	DESFS200010030	2000	1000	300	2	2.5
26	DESFS200010040	2000	1000	400	2	2.5

Floor Standing Enclosure – Double Door

DES FS-DD range is a double door metal enclosure, designed with 3 points lock handle, available with maximum dimensions up to 2000*1000 mm

Floor Standing Enclosure - Double Door						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
1	DESFS120010030-DD	1200	1000	300	2.0	2.5
2	DESFS140010040-DD	1400	1000	400	2.0	2.5
3	DESFS160010030-DD	1600	1000	300	2.0	2.5
4	DESFS160010040-DD	1600	1000	400	2.0	2.5
5	DESFS180010040-DD	1800	1000	400	2.0	2.5
6	DESFS200010040-DD	2000	1000	400	2.0	2.5
7	DESFS200010060-DD	2000	1000	600	2.0	2.5



4. Extendable Enclosures

DES Low Voltage Extendable enclosures are used for power distribution, control, and automation systems. They're usually installed next to transformers and generators that have main and branch circuit breakers.

Functions and Technical data

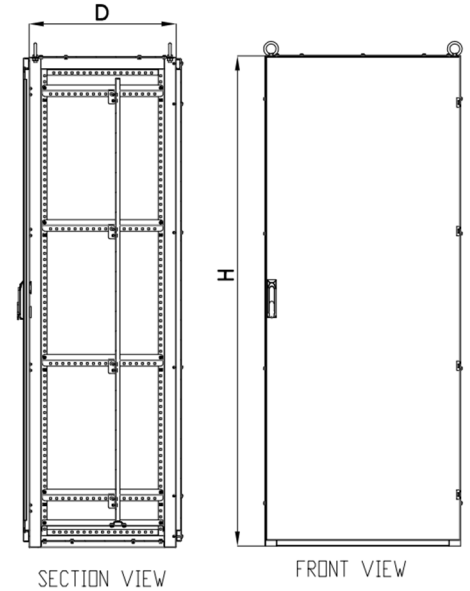
- Designed as per new standard: IEC 61439-2
- Ingress Protection: IP55
- Mechanical Impact Protection: IK10
- Made of high quality electro-galvanized (EG) Sheet steel enclosure of thickness: 2mm
- Standard mounting plate 2.5mm thickness (EG)
- Polyester powder coated light grey color: RAL 7035, other colors available upon request.
- Single & Double Door Extendable Enclosures

Dimension Details

Extendable Enclosure – Single Door

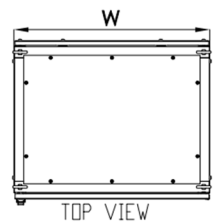
DES EX range is a single door metal enclosure, designed with 3 points lock handle, available with maximum dimensions up to 2000*1200 mm.

Extendable Enclosure - Single Door						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
1	DESEX16004040	1600	400	400	2.0	2.5
2	DESEX16004060	1600	400	600	2.0	2.5
3	DESEX16006040	1600	600	400	2.0	2.5
4	DESEX16006060	1600	600	600	2.0	2.5
5	DESEX16008040	1600	800	400	2.0	2.5
6	DESEX16008060	1600	800	600	2.0	2.5
7	DESEX160010040	1600	1000	400	2.0	2.5
8	DESEX160010060	1600	1000	600	2.0	2.5
9	DESEX160012040	1600	1200	400	2.0	2.5
10	DESEX160012060	1600	1200	600	2.0	2.5
11	DESEX18004040	1800	400	400	2.0	2.5
12	DESEX18004060	1800	400	600	2.0	2.5
13	DESEX18006040	1800	600	400	2.0	2.5
14	DESEX18006060	1800	600	600	2.0	2.5
15	DESEX18008040	1800	800	400	2.0	2.5
16	DESEX18008060	1800	800	600	2.0	2.5
17	DESEX180010040	1800	1000	400	2.0	2.5
18	DESEX180010060	1800	1000	600	2.0	2.5
19	DESEX180012040	1800	1200	400	2.0	2.5
20	DESEX180012060	1800	1200	600	2.0	2.5
21	DESEX20004040	2000	400	400	2.0	2.5
22	DESEX20004060	2000	400	600	2.0	2.5
23	DESEX20006040	2000	600	400	2.0	2.5
24	DESEX20006060	2000	600	600	2.0	2.5
25	DESEX20008040	2000	800	400	2.0	2.5
26	DESEX20008060	2000	800	600	2.0	2.5
27	DESEX200010040	2000	1000	400	2.0	2.5
28	DESEX200010060	2000	1000	600	2.0	2.5
29	DESEX200012040	2000	1200	400	2.0	2.5
30	DESEX200012060	2000	1200	600	2.0	2.5

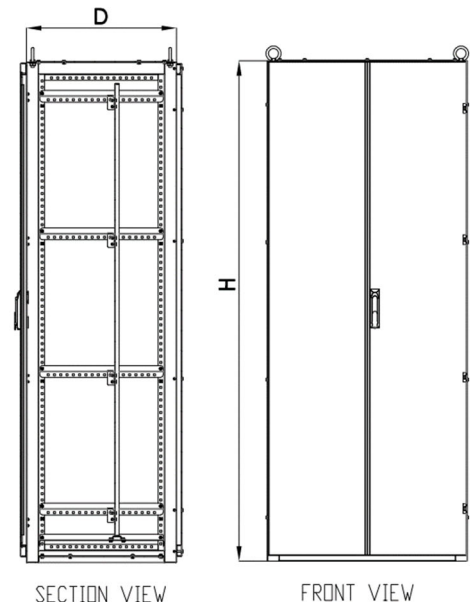


SECTION VIEW

FRONT VIEW

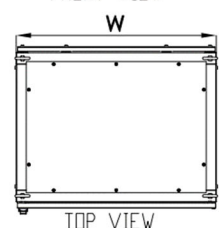


TOP VIEW



SECTION VIEW

FRONT VIEW



TOP VIEW

Extendable Enclosure – Double Door

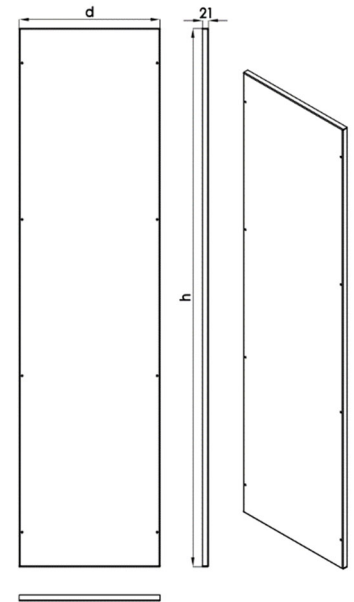
DES EX-DD range is a double door metal enclosure, designed with 3 points lock handle, available with maximum dimensions up to 2000*1200 mm.

Extendable Enclosure - Double Door						
S.No	Reference	Dimensions in mm			Thickness in mm	
		H	W	D	Enclosure	Mounting Plate
1	DESEX200010040-DD	2000	1000	400	2.0	2.5
2	DESEX200010060-DD	2000	1000	600	2.0	2.5
3	DESEX200012040-DD	2000	1200	400	2.0	2.5
4	DESEX200012060-DD	2000	1200	600	2.0	2.5

Side Covers for Extendable Enclosure

DES EX-SC range are the extendable enclosure side cover parts.

Extendable Enclosure - Side Cover							
S.No	Reference	Enclosure Dim in mm		Side Cover Dim in mm		Thickness in mm	Qty in nos
		H	D	h	d		
1	DESEX160040-SC	1600	400	1494	294	2.0	2
2	DESEX160060-SC	1600	600	1494	494	2.0	2
3	DESEX180040-SC	1800	400	1694	294	2.0	2
4	DESEX180060-SC	1800	600	1694	494	2.0	2
5	DESEX200040-SC	2000	400	1894	294	2.0	2
6	DESEX200060-SC	2000	600	1894	494	2.0	2

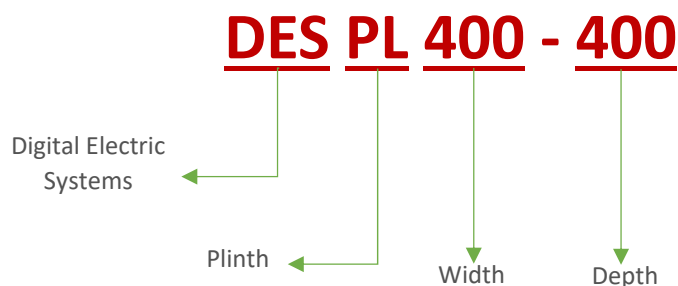


Plinth for Enclosures

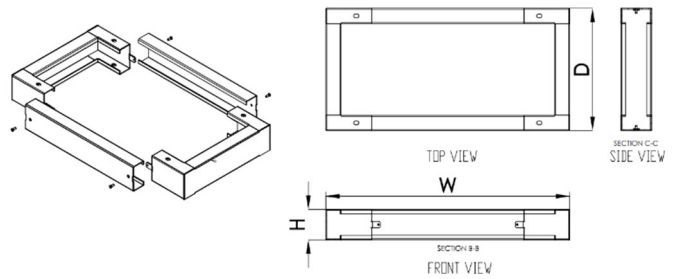
DES PL range is the plinth series for enclosures. Our plinth systems offer a stable base for enclosures while creating additional space for seamless cable entry.

Functions and Technical data

- Made of high quality electro-galvanized (EG) Sheet steel enclosure of thickness: 3mm
- Polyester powder coated black color: RAL 7016, other colors available upon request.



Enclosure Plinth					
S.No	Reference	Dimensions in mm			Thickness in mm
		H	W	D	
1	DESPL400-400	100	400	400	3.0
2	DESPL600-400	100	600	400	3.0
3	DESPL800-400	100	800	400	3.0
4	DESPL1000-400	100	1000	400	3.0
5	DESPL1200-400	100	1200	400	3.0
6	DESPL400-600	100	400	600	3.0
7	DESPL600-600	100	600	600	3.0
8	DESPL800-600	100	800	600	3.0
9	DESPL1000-600	100	1000	600	3.0
10	DESPL1200-600	100	1200	600	3.0



Type Tested Solutions

Digital Electric Systems FZE's entire range of LV Switchgear solutions have been type tested as per latest international standards IEC 61439-1, -2, BSEN 61439-1, -2. All Type tests were carried out at 50degC ambient and were tested & certified by DEKRA.

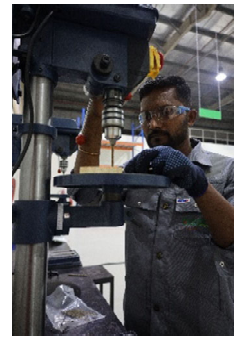


Who we are

At Digital Electric Systems, our motivation is firmly rooted in the aspirations of our valued customers. Our ultimate objective is to consistently exceed their expectations by providing exceptional products and services, ensuring their complete satisfaction.

The cornerstone of our offerings is the Digital Electric Systems range of distribution solutions. This forms the bedrock upon which we facilitate progress and growth, catering effectively to the diverse needs of a thriving future across residential, commercial, and infrastructure sectors.

Based within the SAIF zone in Sharjah, UAE, Digital Electric Systems FZE stands as a distinguished specialist in the field of Electrical Switchgear systems. Our unwavering dedication aligns seamlessly with the stringent requirements of the entire Middle Eastern market.



Our association



..... and growing!

Stay connected all the time...Join us!

Write to us for your requirements for LV Switchgear solutions. We would also be pleased to assist you on any of your technical queries on LV Switchgear particularly on compliance / type testing to IEC 61439, IEC 61641 standards, Utility regulations (ADQCC, ADDC, DEWA, SEWA, FEWA, Kahramaa, EDD Bahrain, MEW Kuwait, MEW Oman, etc), project specifications, etc.



Scan to Download

Doc No: DESCAT015, Ver 2, Jan 2024
Designed by: Digital Electric Systems FZE ©
2023 DE Systems. All rights reserved.

Digital Electric Systems FZE

Plot Q4-007,
Sharjah Airport International Free Zone (SAIF)
P.O. Box: 513996
Sharjah, United Arab Emirates
Tel. +971-6-5663316
Email: gm@desystems.org
<https://www.desystems.org>
Registration / License No. 23582