

Safety disconnect enclosures

The **5100 ESA** right flange-mounted safety disconnect enclosures are used where the control installation does not demand a high degree of protection (such as watertight or dust tight), but where a quality enclosure is warranted. The 5100 ESA are made from quality 14 GA or 16 GA steel, with corner seams continuously welded. The opening has a curled lip around three

sides to prevent dripping water from entering the enclosure when the door is open, it also increases rigidity. The pins of the concealed hinges can be pulled out to remove the door. A ¼ turn locking mechanism interlocks with the switch to prevent opening the door when the power is live. Internal mounting holes are provided. Each enclosure comes complete with a 12 GA inner

panel which is double bent † for maximum rigidity and which mounts on M8 welded studs. Enclosures and panels are finished with heat fused polyester powder, electrostatically applied on a pretreaded base. Box is ANSI/ASA 61 gray, panel is white. **CSA Certified / UL Listed NEMA/EEMAC 1 / IP30**

If the 5100 ESA is to be used with a flange mounted disconnect switch or a circuit breaker, the following items must be ordered:

Ordering an Allen-Bradley 1494V Disconnect switch

- an operating mechanism with the disconnect switch 1494V
- an operating handle 1494V-H1
- a connecting rod 1494V-RA1 if the enclosure is 8" deep or 1494V-RA2 if the enclosure is 12" deep
- if required, a trailer fuse block kit 1494V, a fuse clip and line and load connectors.

Circuit breaker

- a Westinghouse or General Electric circuit breaker.
- an operating mechanism 1494V
- an operating handle 1494V-H11
- a connecting rod 1494V-RA1 if the enclosure is 8" deep or 1494V-RA2 if the enclosure is 12" deep

Ordering a Cutler Hammer Disconnect switch catalog C361

- an operating mechanism with the disconnect switch
- an operating handle (C361-H2 or H4)

Circuit breaker operators catalog C371

- a Cutler hammer or Westinghouse circuit breaker
- an operating mechanism
- an operating handle

Ordering an Asea Brown Boveri Disconnect switches

- a switch flange operated fuse if required
- a DSFHS-12 shaft
- a DSFHN-HS12 handle

Circuit breaker

- a circuit breaker
- an operating mechanism
- a FHS-12 shaft
- a FHN-HS12 handle

Ordering a Square D Class 9422 Disconnect switch

- an operating mechanism with the disconnect switch class 9422
- an operating mechanism handle class 9422 Type A-1

Circuit breaker

- a Square D circuit breaker
- an operating mechanism class 9422
- an operating mechanism handle class 9422 Type A-1

Ordering an I-T-E Max-Flex™ Disconnect switch

- a basic right hand switch
- a fuse kit if required
- a handle FHOHS flange mounted
- an operator FHOSO6R
- a cable FHOECO36

Circuit breaker

- a circuit breaker
- a set of pressure wire connectors
- a handle FHOH flange mounted
- an operating mechanism
- a standard cable 36"

Ordering a General Electric Disconnect Switches

- a disconnect switch QMR or QMW
- a fuse clip kit if required
- a TDAI flange handle
- an operating mechanism, variable depth

Circuit breakers

- a circuit breaker
- a TDAI flange handle
- an operating handle 1494V-H11
- an operating mechanism, variable depth

Ordering a Westinghouse

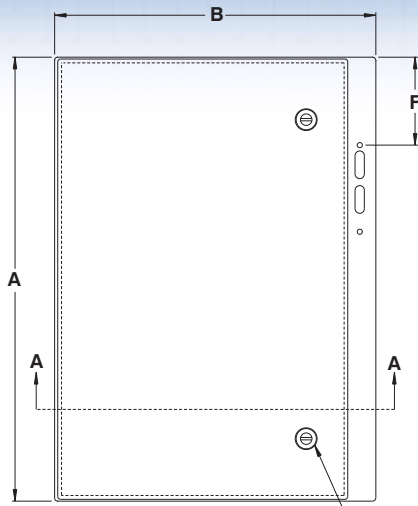
- a disconnect switch or circuit breaker type DS
- a yoke assembly and backplate
- a rod and brace assembly
- a pivot mechanism
- an operating handle

Disconnect switches and operating mechanisms are not furnished with the enclosures.

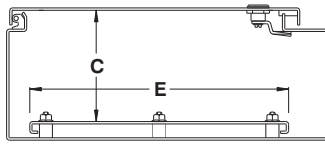
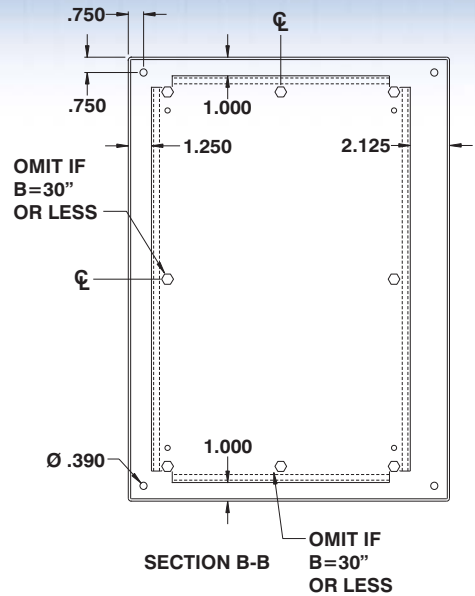
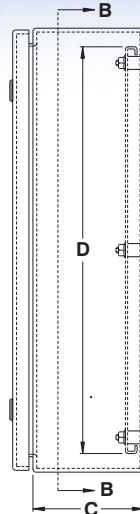


Data subject to change without notice.





1 METAL LOCK IF A=16" OR LESS
 2 METAL LOCKS IF A>16" AND A<42"
 3 POINT LATCH IF A=42" OR MORE



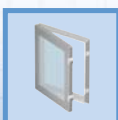
SECTION A-A

† Only panels with sides 20" or more are double bent.

* This enclosure will accept only the Allen-Bradley DS 200 and the DS 400 disconnect class.

CATALOG NUMBER	DIMENSIONS						SHIP WGHT LBS.
	A	B	C	D	E	F	
5100 ESA202108	20	21.375	8	18	18	8.625	51
5100 ESA242108	24	21.375	8	22	18	8.625	61
5100 ESA242508	24	25.375	8	22	22	8.625	67
5100 ESA302108	30	21.375	8	28	18	8.625	74
5100 ESA302508	30	25.375	8	28	22	8.625	85
5100 ESA362508	36	25.375	8	34	22	8.625	100
5100 ESA363108	36	31.375	8	34	28	8.625	121
5100 ESA423108	42	31.375	8	40	28	8.625	137
5100 ESA423708	42	37.375	8	40	34	8.625	154
5100 ESA483708	48	37.375	8	46	34	8.625	172
5100 ESA603708	60	37.375	8	58	34	8.625	245
5100 ESA202110	20	21.375	10	18	18	8.625	55
5100 ESA242110	24	21.375	10	22	18	8.625	68
5100 ESA242510	24	25.375	10	22	22	8.625	75
5100 ESA302110	30	21.375	10	28	18	8.625	78
5100 ESA302510	30	25.375	10	28	22	8.625	90
5100 ESA362510	36	25.375	10	34	22	8.625	110
5100 ESA363110	36	31.375	10	34	28	8.625	126
5100 ESA423110	42	31.375	10	40	28	8.625	143
5100 ESA423710	42	37.375	10	40	34	8.625	193
5100 ESA483710	48	37.375	10	46	34	8.625	211
5100 ESA603710	60	37.375	10	58	34	8.625	250
5100 ESA302512	30	25.375	12	28	22	11.625	100
5100 ESA363112	36	31.375	12	34	28	11.625	130
5100 ESA423112	42	31.375	12	40	28	11.625	150
5100 ESA423712	42	37.375	12	40	34	11.625	200
5100 ESA483712	48	37.375	12	46	34	11.625	220
5100 ESA603712	60	37.375	12	58	34	11.625	257
5100 ESA363116	36	31.375	16	34	28	11.625	150
5100 ESA483716	48	37.375	16	46	34	11.625	232
5100 ESA603716	60	37.375	16	58	34	11.625	265
* 5100 ESAB603712	60	37.375	12	58	34	18.375	257

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