

ORION CONTROL TRANSFORMERS



Orion
Features and Benefits
Accessoires

ORION CONTROL TRANSFORMERS

Features and Benefits

- Molded terminal blocks for primary and secondary connections up to 3000 VA and 30Amps. Coil face termination over 3000 VA and 30Amps.
 - All terminal blocks utilize a combination slot/Phillips #6 screw with a SEMS washer. Coil face terminations utilize a ¼-20 UNC x 0,50" combination slot/Phillips screw and a spring lock washer.
 - 50/60 Hz (60 Hz on UH*** and QC***).
 - Copper wound coils with high dielectric strength insulation.
 - CSA Certified (file LR 3902), UL listed with (file E50394), CE marked and RoHS Compliant.
 - Meets NEMA standards.
- Superior insulation materials. The Delta Orion Controls offers the following insulation systems :
- Uo to 1 500 VA : 80 °C rise
 - 130 °C temperature class (B)
 - 2 000 to 5 000 VA : 115 °C
 - 180 °C temperature class (F)
 - Most Delta Orion Controls units incorporate "Premium Packaging" which feature:
 - Premium fluted cartons
 - Custom molded foam inserts
 - Easy removal and repacking
 - Industry's best box label
 - All Delta Orion Controls units are supplied with trilingual installation and wiring instruction sheets.
 - All units supplied with primary and secondary voltage links/jumpers.
 - All Delta Orion Controls transformers are Vacuum Impregnated with polyester resin and oven cured.
 - Bolted core construction.
 - Bolt-on mounting brackets.

15 YEARS WARRANTY

ORION CONTROL TRANSFORMERS

Serie-A Orion, Primary 600/480V, Secondary 120/240V, 60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E				
50	50	DC050UH	A	0,42/0,21	2,60	3,82	2,60	2,13	2,64	0,22 x 0,44	2,98	2,79	2,2
100	100	DC0100UH	A	0,83/0,42	2,99	3,74	2,85	2,52	2,60	0,22 x 0,44	3,23	3,04	3,3
150	150	DC0150UH	A	1,25/0,63	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,4
250	160	DC0250UH	A	2,08/1,04	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,4
350	250	DC0350UH	A	2,92/1,04	3,78	4,49	3,40	3,31	3,39	0,22 x 0,44	3,78	3,59	7,5
500	300	DC0500UH	A	4,17/2,08	4,49	4,69	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11
750	500	DC0750UH	A	6,25/3,13	5,25	5,08 ¹	4,37	4,50	4,06	0,31 x 0,81	4,75	4,56	18
1000	650	DC01000UH	A	8,33/4,17	5,25	5,47 ¹	4,37	4,50	4,45	0,31 x 0,81	4,75	4,56	21
1500	1000	DC01500UH	A	12,5/6,25	5,25	6,85 ¹	4,37	4,50	5,83	0,31 x 0,81	4,56	4,37	28
2000	1300	DC02000UH	A	16,7/8,33	6,38	5,87 ¹	5,31	5,75	4,84	0,31 x 0,81	5,69	5,50	34
3000	2000	DC03000UH	A	25,0/12,5	7,50	7,50	6,50	6,30	6,85	0,44 x 1,00	6,50	6,50	60
5000	3000	DC05000UH	C	40,7/20,8	8,98	9,88	7,76	7,40	7,13	0,44 x 1,00	N/D	N/D	93

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

¹ Note: For 750 to 2 000 VA units actual overall depths is 0,24 in plus the value in column B.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

Serie-B Orion, Primary 600V, Secondary 12/24V, 60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E				
50	50	DC050QC	A	4,17/2,08	2,60	3,83	2,60	2,13	2,05	0,22 x 0,44	2,98	2,79	1,5
100	100	DC0100QC	A	8,33/4,17	2,99	3,74	2,85	2,52	2,60	0,22 x 0,44	3,23	3,04	3,3
150	150	DC0150QC	A	12,5/6,25	2,99	4,09	2,85	2,52	2,95	0,22 x 0,44	3,23	3,04	3,0
250	160	DC0250QC	A	20,8/10,4	3,78	3,70	3,40	3,31	2,60	0,22 x 0,44	3,78	3,59	5,2
350	250	DC0350QC	A	29,2/14,6	3,78	4,29	3,40	3,31	3,19	0,22 x 0,44	3,78	3,59	7,1
500	300	DC0500QC	B	41,7/20,8	4,49	5,08	3,78	3,78	3,27	0,31 x 0,81	4,16	3,97	9,9

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

ORION CONTROL TRANSFORMERS

Serie-C Orion, Primary 240V / 480V, Secondary 120/240V, 50/60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E		*G x *H	lb	
50	50	DC050PH	A	0,42/0,21	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,7
100	100	DC0100PH	A	0,83/0,42	2,99	3,74	2,85	2,52	2,60	0,22 x 0,44	3,23	3,04	3
150	150	DC0150PH	A	1,25/0,63	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,3
250	160	DC0250PH	A	2,08/1,04	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,5
350	250	DC0350PH	A	2,92/1,46	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,2
500	300	DC0500PH	A	4,17/2,08	4,49	4,69	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11
750	500	DC0750PH	A	6,25/3,13	5,25	4,69 ¹	4,37	4,50	3,66	0,31 x 0,81	4,75	4,56	16
1000	650	DC01000PH	A	8,33/4,17	5,25	5,47 ¹	4,37	4,50	4,45	0,31 x 0,81	4,75	4,56	21
1500	1000	DC01500PH	A	12,5/6,25	5,25	6,85 ¹	4,37	4,50	5,83	0,31 x 0,81	4,75	4,56	28
2000	1300	DC02000PH	A	16,7/8,33	6,38	5,87 ¹	5,31	5,75	4,84	0,31 x 0,81	5,50	5,31	35
3000	2000	DC03000PH	A	25,0/12,5	7,50	7,50	6,50	6,30	7,28	0,44 x 1,00	6,50	6,50	64
5000	3000	DC05000PH	C	41,7/20,8	8,98	9,88	7,76	7,40	7,28	0,44 x 1,00	N/D	N/D	97

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

¹ Note: For 750 to 2 000 VA units actual overall depths is 0,24 in plus the value in column B.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

Serie-D Orion, Primary 240/ 480V, Secondary 12/24V, 50/60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E		*G x *H	lb	
50	50	DC050PC	A	4,17/2,08	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,7
100	100	DC0100PC	A	8,33/4,17	2,99	3,54	2,85	2,52	2,40	0,22 x 0,44	3,23	3,04	3
150	150	DC0150PC	A	12,5/6,25	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,3
250	160	DC0250PC	A	20,8/10,4	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,5
350	250	DC0350PC	A	29,2/14,6	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,3
500	300	DC0500PC	B	41,7/20,8	4,49	5,47	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

ORION CONTROL TRANSFORMERS

Serie-E Orion, Primary 380 / 347, Secondary 120/240V, 50 / 60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E				
50	50	DC050LH	A	0,42/0,21	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,7
100	100	DC0100LH	A	0,83/0,42	2,99	3,74	2,85	2,52	2,60	0,22 x 0,44	3,23	3,04	3,4
150	150	DC0150LH	A	1,25/0,63	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,4
250	160	DC0250LH	A	2,08/1,04	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,7
350	250	DC0350LH	A	2,92/1,04	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,4
500	300	DC0500LH	A	4,17/2,08	4,49	4,69	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	12
750	500	DC0750LH	A	6,25/3,13	5,25	4,69 ¹	4,37	4,50	3,66	0,31 x 0,81	4,75	4,56	17
1000	650	DC01000LH	A	8,33/4,17	5,25	5,47 ¹	4,37	4,50	4,45	0,31 x 0,81	4,75	4,56	21
1500	1000	DC01500LH	A	12,5/6,25	6,38	4,88 ¹	5,31	5,75	3,86	0,31 x 0,81	5,50	5,31	29

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

¹ Note: For 750 to 2 000 VA units actual overall depths is 0,24 in plus the value in column B.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

Serie-F Orion, Primary 380 / 347, Secondary 12/24V, 50 / 60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E				
50	50	DC050LC	A	4,17/2,08	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,7
100	100	DC0100LC	A	8,33/4,17	2,99	3,74	2,85	2,52	2,60	0,22 x 0,44	3,23	3,04	3,3
150	150	DC0150LC	A	12,5/6,25	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,4
250	160	DC0250LC	A	20,8/10,4	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,4
350	250	DC0350LC	A	29,2/14,6	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,1
500	300	DC0500LC	B	41,7/20,8	4,49	5,47	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

ORION CONTROL TRANSFORMERS

Serie-G Orion, Primary 277V, Secondary 120V, 50 / 60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E		*G x *H	lb	
50	50	DC050IE	A	0,42	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,6
100	100	DC0100IE	A	0,83	2,99	3,54	2,85	2,52	2,40	0,22 x 0,44	3,23	3,04	3,2
150	150	DC0150IE	A	1,25	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,3
250	160	DC0250IE	A	2,08	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,4
350	250	DC0350IE	A	2,92	3,78	4,49	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,1
500	300	DC0500IE	A	4,17	4,49	4,69	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11
750	500	DC0750IE	A	6,25	5,25	5,08 ¹	4,37	4,50	4,06	0,31 x 0,81	4,75	4,56	18
1000	650	DC01000IE	A	8,33	5,25	5,47 ¹	4,37	4,50	4,45	0,31 x 0,81	4,75	4,56	20
1500	1000	DC01500IE	A	12,50	5,25	6,85 ¹	4,37	4,50	5,83	0,31 x 0,81	4,75	4,56	29

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

¹ Note: For 750 to 2 000 VA units actual overall depth is 0,24 in plus the value in column B.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

Serie-H Orion, Primary 120 / 240, Secondary 12/24V, 50 /60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E		*G x *H	lb	
50	50	DC050HC	A	4,17/2,08	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,7
100	100	DC0100HC	A	8,33/4,17	2,99	3,74	2,85	2,52	2,60	0,22 x 0,44	3,23	3,04	3
150	150	DC0150HC	A	12,5/6,25	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,3
250	160	DC0250HC	A	20,8/10,4	3,78	3,90	3,40	3,31	2,80	0,22 x 0,44	3,78	3,59	5,9
350	250	DC0350HC	A	29,2/14,6	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,2
500	300	DC0500HC	B	41,7/20,8	4,49	5,47	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

ORION CONTROL TRANSFORMERS

Serie-I Orion, Primary 208 /416, Secondary 120 X 240V, 50 / 60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E				
50	50	DC050NH	A	0,42/0,21	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	1,6	2,60	1,6
100	100	DC0100NH	A	0,83/0,42	2,99	3,54	2,85	2,52	2,40	0,22 x 0,44	3	2,85	3
150	150	DC0150NH	A	1,25/0,63	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	4,3	2,85	4,3
250	160	DC0250NH	A	2,08/1,04	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	6,5	3,40	6,5
350	250	DC0350NH	A	2,92/1,04	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	8,3	3,40	8,3
500	300	DC0500NH	A	4,17/2,08	4,49	4,69	3,78	3,78	3,66	0,31 x 0,81	11	3,78	11
750	500	DC0750NH	A	6,25/3,13	5,25	4,69 ¹	4,37	4,50	3,66	0,31 x 0,81	16	4,75	16
1000	650	DC01000NH	A	8,33/4,17	5,25	5,47 ¹	4,37	4,50	4,45	0,31 x 0,81	20	4,75	20
1500	1000	DC01500NH	A	12,5/6,25	6,38	4,88 ¹	5,31	5,75	3,86	0,31 x 0,81	27	5,69	27

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

¹ Note: For 750 to 2 000 VA units actual overall depths is 0,24 in plus the value in column B.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg

Serie-J Orion, Primary 208 / 416, Secondary 12/24V, 50 /60 Hertz

VA Rating	CE VA Rating	Catalog Number	Mig Fig.	Output Amps	Overall Dimensions			Mounting Centers		Mounting Slot	Height with finger Guard	Height with Fuse Block Adapter	Approx. ship Weight Lbs.
					*A	*B	*C	*D	*E				
50	50	DC050NC	A	4,17/2,08	2,60	3,35	2,60	2,13	2,17	0,22 x 0,44	2,98	2,79	1,6
100	100	DC0100NC	A	8,33/4,17	2,99	3,74	2,85	2,52	2,40	0,22 x 0,44	3,23	3,04	3,1
150	150	DC0150NC	A	12,5/6,25	2,99	4,29	2,85	2,52	3,15	0,22 x 0,44	3,23	3,04	4,3
250	160	DC0250NC	A	20,8/10,4	3,78	4,09	3,40	3,31	2,99	0,22 x 0,44	3,78	3,59	6,5
350	250	DC0350NC	A	29,2/14,6	3,78	4,69	3,40	3,31	3,58	0,22 x 0,44	3,78	3,59	8,3
500	300	DC0500NC	B	41,7/20,8	4,49	5,47	3,78	3,78	3,66	0,31 x 0,81	4,16	3,97	11

Primary and Secondary voltage links/jumpers supplied standard with all transformers.
Special voltages and VA sizes available upon request.

* For dimensional drawing see page 4-9
All dimensions are in inches 1 lb = 0,45kg