

$$n = N_c e^{\frac{a(E_c - E_d)}{kT}}$$

$$n_i \cdot p_i = n_i^2 = \left(\frac{3}{k}\right)$$

$$E \psi$$

$$2\psi = -\frac{Q}{\epsilon_0 \epsilon_r}$$

$$E = \frac{Q}{\epsilon_0 \epsilon_r}$$

$$\Delta E = Q \frac{Q}{\epsilon_0 \epsilon_r}$$



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Conditions of Sale

Handout	0100PL0043R3/07	Handout PDF
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Product Type	Literature Type	Doc Number	Link to Lit
QED Switchboards			
Powerstyle QED 2 Catalog	Catalog	2742CT9501	Catalog
Powerstyle QED 2 Installation Instructions	Instruction Bulletin	80043-055-07	Instruction Bulletin
Powerstyle QED 6 Catalog	Catalog	2746CT0101	Catalog
Powerstyle QED 6 Installation Instructions	Instruction Bulletin	80298-001-04	Instruction Bulletin

Product Type	Literature Type	Doc Number	Link to Lit
Speed-D Switchboard			
Speed-D Switchboard User Manual	User Manual	80244-812-06	User Manual

Product Type	Literature Type	Doc Number	Link to Lit
Panelboards			
I-Line Panelboard Catalog	Catalog	2110ct9701r	Catalog
I-Line Panelboard Manual	Instruction Bulletin	80043-309-18	Instruction Bulletin
NF Panelboard Catalog	Catalog	1670ct9601r	Catalog
NF Panelboard Manual	Instruction Bulletin	80043-368-14	Instruction Bulletin
NQ Panelboard Catalog	Catalog	1640CT0701	Catalog
NQ Panelboard Manual	Instruction Bulletin	80043-712-01	Instruction Bulletin
QMB Panelboard Catalog	Catalog	4620CT9601	Catalog
QMB Panelboard Manual	Instruction Bulletin	80043-334-05	Instruction Bulletin

Product Type	Literature Type	Doc Number	Link to Lit
Powerlink Panelboards			
PowerLink Catalog	Catalog	1210CT0201	Catalog
NF500 Controller Instruction Bulletin	Instruction Bulletin	63249-401-201A5	Instruction Bulletin
NF1000 Controller Instruction Bulletin	Instruction Bulletin	63249-401-200A4	Instruction Bulletin
NF2000 and NF3000 Instruction Bulletin	Instruction Bulletin	63249-401-205	Instruction Bulletin
Power Supply Instruction Bulletin	Instruction Bulletin	63249-402-200	Instruction Bulletin
Slave Address Selector Instruction Bulletin	Instruction Bulletin	63249-403-200	Instruction Bulletin
Control Bus Instruction Bulletin	Instruction Bulletin	63249-400-200	Instruction Bulletin

Product Type	Literature Type	Doc Number	Link to Lit
Low Voltage Dry-Type Transformers 600V and Below			
Energy Efficient Transformers Handout	Handout	7400HO0602	Handout
Energy Efficient Transformers Catalog	Catalog	7400CT0601	Catalog
Low Voltage Transformer Instruction Bulletin	Instruction Bulletin	43006-850-01R1	Instruction Bulletin
LV Dry Type Transformer Selection Guide	Selection Guide	7400HO0602	Handout

Product Type	Literature Type	Doc Number	Link to Lit
EZM Metering			
EZM Meter-Pak Handout	Handout	4162HO0101	Handout
EZM Meter-Pak User Manual	Instruction Bulletin	73293-715-03	Instruction Bulletin

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Load Centers			
QO and HOM Load Center Catalog	Catalog	1100CT0501	Catalog
QO and Homeline Load Center User Manual	Instruction Bulletin	40271-419-04	Instruction Bulletin
QO and Homeline OUTDOOR Load Center User Manual	Instruction Bulletin	40271-887-03	Instruction Bulletin

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Motor Contactors and Starters			
Motor Contactors and Starters Catalog	Catalog	8502CT0401	Catalog
Combination Starters Catalog	Catalog	8538CT9701	Catalog
Combination Starters Instruction Bulletins	Website	Pick From Website	Combination Starters

Product Type	Literature Type	Doc Number	Link to Lit
Manual Starters			
Manual Starters and Switches Selection Guide	Selection Guide	2510CT9701	Seelction Guide

Product Type	Literature Type	Doc Number	Link to Lit
Safety Switches			
Safety Switches Brochure	Brochure	3100CT0901	Brochure
Air Conditioning Disconnects	Catalog	3150CT0401	Catalog
Heavy Duty 30-1200A Safety Switches	Instruction Bulletin	40273-829-02	Instruction Bulletin
General Duty Safety Switches	Instruction Bulletin	40905-002-02	Instruction Bulletin

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Circuit Breakers			
Thermal-Magnetic / Magnetic Only Catalog	Catalog	0601CT9101	Tech Library PDF
ECB	Installation	48940-300-01	Installation
EDB, EGB, EJB	Installation	48840-097-02	Installation
FA, FC, FH, SFH	Installation	48940-158-05	Installation
FD, FG, FJ	Installation	48840-077-02	Installation
FI	Installation	48049-033-02	Installation
GJL	Installation	48940-133-02	Installation
H & J Frame	Catalog	0611CT1001	Catalog
	Installation	48940-207-03	Installation
HOM	Installation	48840-122-03e	Installation
KA, KC, KH, KI, SKC, SKH	Installation	48040-898-03	Installation
LA, LAMC, LH, LHMC, SLA. Q4	Installation	48049-034-04	Installation
LC, LI	Installation	48040-732-04	Installation
LE, LX, LXI	Installation	48049-027-02	Installation
M Frame	Installation	48049-251-01	Installation
MA, MH, SMA, SMH	Installation	48040-698-03	Installation
NE, NX	Installation	48049-029-02	Installation
NT with Modbus	Installation	48049-293-02	Installation
NT	Installation	48049-225-04	Installation
NW with Modbus	Installation	48049-139-02	Installation
NW	Installation	48049-106-10	Installation
P Frame - Non-Drawout	Installation	48049-148-05	Installation
P Frame Drawout Circuit Breaker	Installation	48049-336-02	Installation
Q Frame	Installation	48940-218-01	Installation
QMB, QMJ	Installation	40270-589-03	Installation
QO, QOB	Catalog	0730CT9801	Catalog
QOB-VH	Installation	48940-072-03	Installation
R Frame	Installation	48049-243-04	Installation



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Lighting Contactors			
Lighting Contactors Catalog	Catalog	8903CT9701	Catalog
Lighting Contactors User Manuals	Website	Pick From Website	Lighting Contactors

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Surge Protective Devices			
TVSS Catalog	Catalog	1310CT0202	Catalog
Secondary Surge Arrestors	Brochure	1311HO0101	Brochure
IMA TVSS Instruction Bulletin	Instruction Bulletin	8222-0050e	Instruction Bulletin
IMA TVSS Display Replacement Instruction Bulletin	Instruction Bulletin	8222-0071c	Instruction Bulletin
IMA TVSS Module Replacement Instruction Bulletin	Instruction Bulletin	8222-0049C	Instruction Bulletin
QMB TVSS Instruction Bulletin	Instruction Bulletin	8222-0068e	Instruction Bulletin
I-Line Plug-On TVSS Instruction Bulletin	Instruction Bulletin	8222-0015g	Instruction Bulletin
EBA TVSS Instruction Bulletin	Instruction Bulletin	8222-0013d	Instruction Bulletin
EMA TVSS Instruction Bulletin	Instruction Bulletin	8222-0014e	Instruction Bulletin
Remote Monitoring Unit Instruction Bulletin	Instruction Bulletin	8222-0072A	Instruction Bulletin
SDSA3650 User Manual	Instruction Bulletin	48040-983-03	Instruction Bulletin
SDSA1175 User Manual	Instruction Bulletin	8291-0014g	Instruction Bulletin

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Powerlogic Monitoring / Communications			
PM800 Series Power Meters	Brochure	3000BR0710	Brochure
PM810	Installation Guide	63230-500-200	Installation Guide
	Reference Guide	63230-500-201	Reference Guide
PM820	Installation Guide	63230-500-224	Installation Guide
	Reference Guide	63230-500-225	Reference Guide
PM850	Installation Guide	63230-500-224	Installation Guide
	Reference Guide	63230-500-225	Reference Guide
CM3000	Handout	3000HO0311	Handout
	Installation Guide	63230-400-204	Installation Guide
	Reference Guide	63230-400-207	Reference Guide
CM4000 / CM4000T	Handout	3020HO0601	Handout
	Installation Guide	63230-300-209	Installation Guide
CM4000	Reference Guide	63230-300-212	Reference Guide
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ECC21	Handout	3020HO0003	Handout
	Installation Guide	63230-304-201	Installation Guide
	Users Guide	63230-304-204	Users Guide
	Reference Guide	63230-314-202	Reference Guide
IOC44 Installation for CM4000	Installation Guide	63230-303-200R	Installation Guide
IOX I/O Extender	Instruction Bulletin	63230-302-200	Instruction Bulletin
EGX100	Handout	3050HO0501	Handout
	Installation Guide	63230-319-200	Installation Guide
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EGX400	Brochure	8300BR0201	Brochure
	Installation Guide	63230-314-200	Installation Guide
	User's Guide	63230-314-208	Users Guide
Powerlogic Digital Relay Class 3030	Users Guide	3030IM9301	Users Guide

ION 6200	Guide	3000DB0801	Guide
	User Manual	70002-0196-10	Users Guide
ION 7300	Brochure	3000BRO605	Brochure
	User Manual	70002-0198-08	User Manual
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	User Manual	70002-0247-11	User Manual
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ION 8600	Brochuhre	3000BRO603R11O8	Brochure
	Users Manual	70002-0266-08	User Manual
Powerlogic High Density Metering System (HDMPM)	Installation Guide	63230-504-202A3	Installation Guide

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Trip Units			
Micrologic Trip Units	Brochure	0613HO9902	Brochure
Micrologic 2.0, 3.0 and 5.0 Electronic Trip Units	Installation	48049-207-05	Installation
Micrologic 2.0A, 3.0A, 5.0A and 6.0A Electronic Trip Units	Installation	48049-136-05	Installation
Micrologic 5.0P and 6.0P Electronic Trip Units	Installation	48049-137-05	Installation
Micrologic 5.0H and 6.0H Electronic Trip Units	Installation	48049-330-03	Installation