

**30A, 40A****POWER RELAY**

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Applications:

These sturdy relays, among others find particular use in:

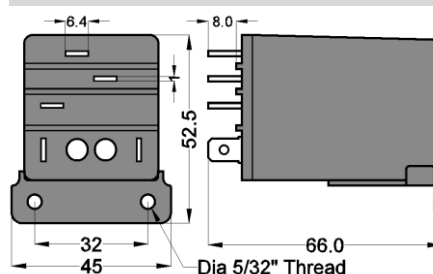
Automatic Voltage Stabilizers
Heating Equipment
Motor Control
General Automation

Contact Specifications

Contact Rating	ES = 30A at 250VAC EW = 40A at 250VAC
Maximum Contact Loading	ES : AC = 6900VA, DC = 600W for Resistive Loads EW : AC = 9200VA, DC = 720W for Resistive Loads
Contact Form	1A, 1B and 1C
Contact Resistance	$\leq 100\text{m}\Omega$ (@1A, 6VDC)
Contact Material	Silver Alloy



Outline Dimensions and Mounting Holes (Top & Side Views)



Technical Specifications

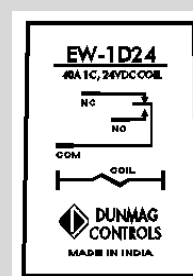
Insulation Resistance	$\geq 200\text{M}\Omega$ (@500VDC)
Dielectric Strength	Between Open Contacts $\geq 1000\text{VAC}$, 1 min Between Coil and Contacts $\geq 1500\text{VAC}$, 1 min
Operate Time	$\leq 20\text{ms}$
Release Time	$\leq 15\text{ms}$
Terminal Type	Screw Terminals
Construction	With Dust Cover
Weight	120g

DC Coil Data

Coil Power		1.92W for DC Coils		Values at 23°C	
Nominal Voltage		Operate Voltage		Release Voltage	
VDC		VDC		VDC	
6		4.8		0.8	
12		9.6		1.5	
24		19.2		3.0	
48		38.4		6.0	
60		48.0		7.5	
				Coil Restance	
				Ω ± 10%	

These are standard coils. Other coil ratings can also be supplied

Connection Diagram



Ordering Information

EW	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
ES = 30A	1 = 1C	D = DC	6 = 6V
EW = 40A	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
			48 = 48V
			60 = 60V
			110 = 110V

EW1D24 is a 40A relay with 1C contacts and 24VDC Coil

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F**25,30,35,40A****POWER RELAY**

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Applications

Automatic Voltage Stabilizers
Heating Equipment
General Automation

Motor Control
Automatic Changeover Switches

Contact Specifications

Contact Rating	FR : 25A	at 250VAC or 24VDC
	FS : 30A	at 250VAC or 24VDC
	FX : 35A	at 250VAC or 24VDC
	FW : 40A	at 250VAC or 24VDC
Maximum Contact Loading	FR : AC = 5750VA, DC = 600W for Resistive Loads	
	FS : AC = 6900VA, DC = 720W for Resistive Loads	
	FX : AC = 8050VA, DC = 840W for Resistive Loads	
	FW : AC = 9200VA, DC = 960W for Resistive Loads	
Contact Form	1A, 1B, 1C, 2A, 2B and 2C	
Contact Resistance	≤100mΩ (@1A, 6VDC)	
Contact Material	Silver Alloy	

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤30ms
Release Time	≤25ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Screw Terminals
Construction	Open Type
Weight	280g

DC Coil Data

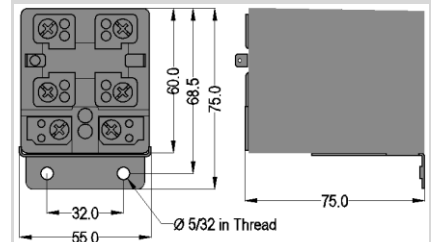
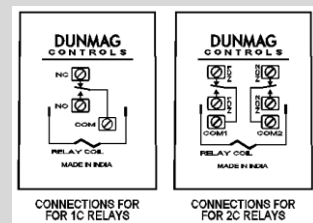
Coil Power	2.5W for DC Coils	Values at 23°C
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Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	14
12	9.6	1.5	58
24	19.2	3.0	230
48	38.4	6.0	920
60	48.0	7.5	1438
110	88.0	13.8	4830

These are standard coils. Other coil ratings can also be supplied

Ordering Information

FS	2	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
FR = 25A	1 = 1C	D = DC	6 = 6V
FS = 30A	1A = 1NO		12 = 12V
FX = 35A	1B = 1NC		24 = 24V
FW = 40A	2 = 2C		48 = 48V
	2A = 2NO		60 = 60V
	2B = 2NC		110 = 110V
FS2D24 is a 30A relay with 2C contacts and 24VDC Coil			

**Outline Dimensions and Mounting Holes (Top & Side Views)****Connection Diagram**

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Applications

Automatic Voltage Stabilizers	Electrical Control Panels
Heating Equipment	
General Automation	

Contact Specifications

Contact Rating	GR : 5A	at 250VDC or 24VDC
Maximum Contact Loading	AC : 1150VA, DC : 120W for Resistive Loads	
Contact Form	Upto 3C	
Contact Resistance	≤100mΩ (@1A, 6VDC)	
Contact Material	Silver Alloy	

Technical Specifications

Insulation Resistance	≥200MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥1500VAC, 1 min
Operate Time	≤20ms
Release Time	≤15ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1,000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Solderable Lugs
Construction	With Dust Cover
Weight	70g

DC Coil Data

Coil Power	1.0W for DC Coils	Values at 23°C
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Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	38
12	9.6	1.5	150
24	19.2	3.0	600
48	38.4	6.0	2400
60	48.0	7.5	3750

These are standard coils. Other coil ratings can also be supplied

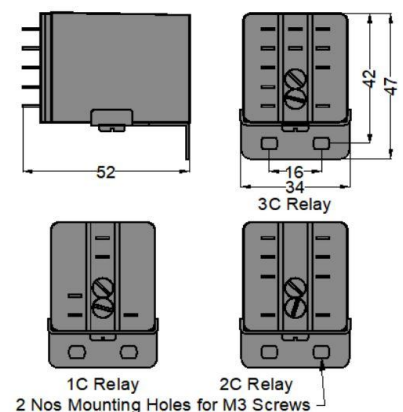
Ordering Information

GR	2	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
GR = 5A	1 = 1C	D = DC	6 = 6V
	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
	2 = 2C		48 = 48V
	2A = 2NO		60 = 60V
	2B = 2NC		
	3 = 3C		
	3A = 3NO		
	3B = 3NC		

GR2D24 is a 5A relay with 2C contacts and 24VDC Coil



Outline Dimensions and Mounting Holes (Top & Side Views)



ALL DIM ARE IN MM

Connection Diagram is Printed on the Relays

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Applications

Power Cut-off Devices	Electrical Controls Panels
Heating Equipment	Motor Controls
General Automation	

Contact Specifications

Contact Rating	JT : 25A at 250VAC or 24VDC
Maximum Contact Loading	AC : 6250VA, DC : 600W for Resistive Loads
Contact Form	JT : 1X , Double Make and 1Y , Double Break
Contact Resistance	≤100mΩ (@1A, 6VDC)
Contact Material	Silver Alloy

Technical Specifications

Insulation Resistance	≥200MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min Between Coil and Contacts ≥1500VAC, 1 min
Operate Time	≤20ms
Release Time	≤15ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1,000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Solderable Lugs
Construction	With Dust Cover
Weight	80g

DC Coil Data

Coil Power	1.2W for DC Coils	Values at 23°C
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Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	31
12	9.6	1.5	125
24	19.2	3.0	500
48	38.4	6.0	2000
60	48.0	7.5	3125

These are standard coils. Other coil ratings can also be supplied

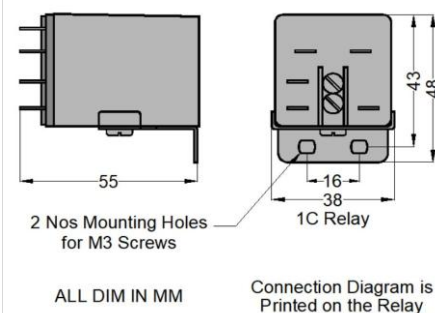
Ordering Information

JT	1A	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
JT = 25A	1A = 1NO	D = DC	6 = 6V
	1B = 1NC		12 = 12V
			24 = 24V
			48 = 48V
			60 = 60V

JT1AD24 is a 25A relay with 1NO contacts and 24VDC Coil



Outline Dimensions and Mounting Holes (Top & Side Views)



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JU**20A****POWER RELAY**

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Applications

Automatic Voltage Stabilizers	Electrical Control Panels
Heating Equipment	Motor Controls
General Automation	Automatic Changeover Switches

Contact Specifications

Contact Rating	JU : 20A at 250VAC or 24VDC
Maximum Contact Loading	AC : 4600VA, DC : 480W for Resistive Loads
Contact Form	JU : 1A, 1B and 1C
Contact Resistance	≤100mΩ (@1A, 6VDC)
Contact Material	Silver Alloy

Technical Specifications

Insulation Resistance	≥200MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min Between Coil and Contacts ≥1500VAC, 1 min
Operate Time	≤20ms
Release Time	≤15ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1,000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Solderable Lugs
Construction	With Dust Cover
Weight	80g

DC Coil Data

Coil Power	1.2W for DC Coils	Values at 23°C
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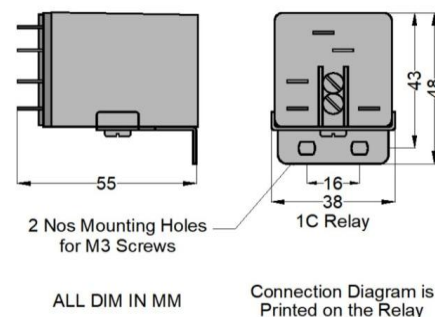
Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	31
12	9.6	1.5	125
24	19.2	3.0	500
48	38.4	6.0	2000
60	48.0	7.5	3125

These are standard coils. Other coil ratings can also be supplied

Ordering Information

JU	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
JU = 20A	1 = 1C	D = DC	6 = 6V
	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
			48 = 48V
			60 = 60V

JU1D24 is a 20A relay with 1C contacts and 24VDC Coil

**Outline Dimensions and Mounting Holes (Top & Side Views)**

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Applications

Automatic Voltage Stabilizers	Electrical Control Panels
Heating Equipment	
General Automation	

Contact Specifications

Contact Rating	JW : 10A at 250VDC or 24VDC
Maximum Contact Loading	AC : 2300VA, DC : 240W for Resistive Loads
Contact Form	Upto 2C
Contact Resistance	≤100mΩ (@1A, 6VDC)
Contact Material	Silver Alloy

Technical Specifications

Insulation Resistance	≥200MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min Between Coil and Contacts ≥1500VAC, 1 min
Operate Time	≤20ms
Release Time	≤15ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1,000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Solderable Lugs
Construction	With Dust Cover
Weight	80g

DC Coil Data

Coil Power	1.2W for DC Coils	Values at 23°C
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Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	31
12	9.6	1.5	125
24	19.2	3.0	500
48	38.4	6.0	2000
60	48.0	7.5	3125

These are standard coils. Other coil ratings can also be supplied

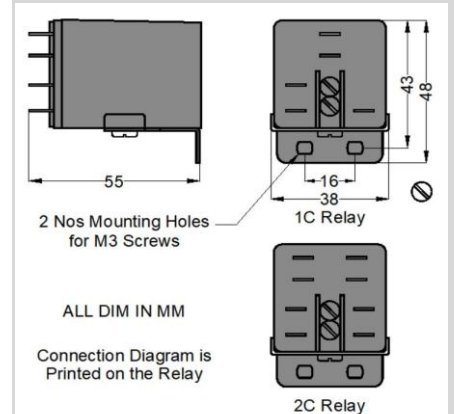
Ordering Information

JW	2	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
JW = 10A	1 = 1C	D = DC	6 = 6V
	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
	2 = 2C		48 = 48V
	2A = 2NO		60 = 60V
	2B = 2NC		

JW2D24 is a 10A relay with 2C contacts and 24VDC Coil



Outline Dimensions and Mounting Holes (Top & Side Views)



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P**PR PT PU
50, 60, 80A****POWER RELAY**

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Applications

Automatic Voltage Stabilizers
Heating Equipment
General Automation

Motor Control
Automatic Changeover Switches

Contact Specifications

Contact Rating	PR : 50A	at 250VAC or 24VDC
	PT : 60A	at 250VAC or 24VDC
	PU : 80A	at 250VAC or 24VDC
Maximum Contact Loading	PR : AC = 11500VA, DC = 1200W for Resistive Loads	
	PT : AC = 13800VA, DC = 1440W for Resistive Loads	
	PU : AC = 18400VA, DC = 1920W for Resistive Loads	
Contact Form	1A, 1B and 1C: PU: 1X Double Make Only	
Contact Resistance	≤100mΩ (@1A, 6VDC)	
Contact Material	Silver Alloy	

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤30ms
Release Time	≤25ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Screw Terminals
Construction	Open Type
Weight	280g

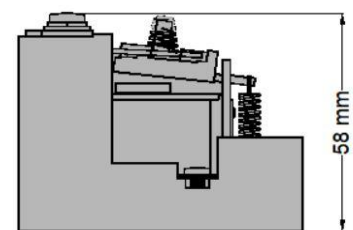
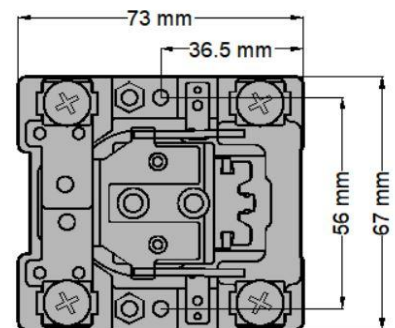
DC Coil Data

Coil Power	3.4W for DC Coils	Values at 23°C	
Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	11
12	9.6	1.5	43
24	19.2	3.0	170
48	38.4	6.0	680
60	48.0	7.5	1063
110	88.0	13.8	3570

These are standard coils. Other coil ratings can also be supplied

Ordering Information

PR	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
PR = 50A	1 = 1C	D = DC	6 = 6V
PT = 60A	1A = 1NO		12 = 12V
PU = 80A	1B = 1NC		24 = 24V
			48 = 48V
			60 = 60V
			110 = 110V
PR1D24 is a 50A relay with 1C contacts and 24VDC coil			

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PS**60A****POWER RELAY**

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Applications

Automatic Voltage Stabilizers
Heating Equipment
General Automation

Motor Control
Automatic Changeover Switches

Contact Specifications

Contact Rating	PS : 60A	at 250VDC or 24VDC
Maximum Contact Loading	AC : 13800VA, DC : 1440W for Resistive Loads	
Contact Form	1A, 1B and 1C	
Contact Resistance	≤100mΩ (@1A, 6VDC)	
Contact Material	Silver Alloy	

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤40ms
Release Time	≤35ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Screw Terminals
Construction	Open Type
Weight	550g

DC Coil Data

Coil Power	3.4W for DC Coils	Values at 23°C
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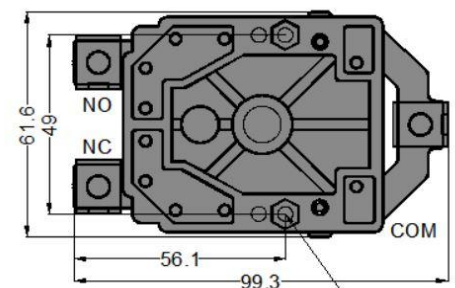
Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	11
12	9.6	1.5	43
24	19.2	3.0	170
48	38.4	6.0	680
60	48.0	7.5	1063
110	88.0	13.8	3570

These are standard coils. Other coil ratings can also be supplied

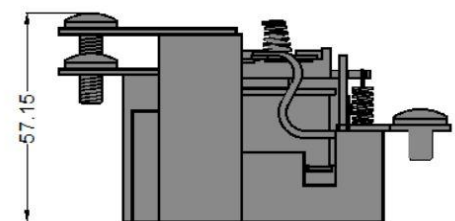
Ordering Information

PS	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
PS = 60A	1 = 1C	D = DC	6 = 6V
	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
			48 = 48V
			60 = 60V
			110 = 110V

PS1D24 is a 60A relay with 1C contacts and 24VDC Coil

**Outline Dimensions and Mounting Holes (Bottom & Side Views)**

2 Nos Mounting Holes
for M4 Screws



ALL DIM IN MM

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Q**25,30,35,40A****POWER RELAY**

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Applications

Automatic Voltage Stabilizers
Heating Equipment
General Automation

Motor Control
Automatic Changeover Switches

Contact Specifications

Contact Rating	QR : 25A	at 250VAC or 24VDC
	QS : 30A	at 250VAC or 24VDC
	QX : 35A	at 250VAC or 24VDC
	QW : 40A	at 250VAC or 24VDC
Maximum Contact Loading	QR : AC = 5750VA, DC = 600W for Resistive Loads	
	QS : AC = 6900VA, DC = 720W for Resistive Loads	
	QX : AC = 8050VA, DC = 840W for Resistive Loads	
	QW : AC = 9200VA, DC = 960W for Resistive Loads	
Contact Form	1A, 1B, and 1C	
Contact Resistance	≤100mΩ (@1A, 6VDC)	
Contact Material	Silver Alloy	

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤30ms
Release Time	≤25ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Screw Terminals
Construction	Open Type
Weight	230g

DC Coil Data

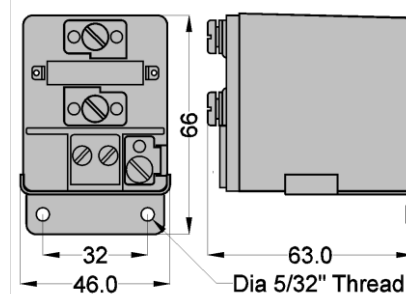
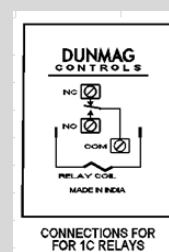
Coil Power	2.5W for DC Coils	Values at 23°C
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Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	14
12	9.6	1.5	58
24	19.2	3.0	230
48	38.4	6.0	920
60	48.0	7.5	1438
110	88.0	13.8	4830

These are standard coils. Other coil ratings can also be supplied

Ordering Information

QS	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
QR = 25A	1 = 1C	D = DC	6 = 6V
QS = 30A	1A = 1NO		12 = 12V
QX = 35A	1B = 1NC		24 = 24V
QW = 40A			48 = 48V
			60 = 60V
			110 = 110V
QS1D24 is a 30A relay with 1C contacts and 24VDC Coil			

**Outline Dimensions and Mounting Holes (Top & Side Views)****Connection Diagram**

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R**60A, 80A****POWER RELAY**

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Applications:

These sturdy relays, among others find particular use in:

Automatic Voltage Stabilizers
Heating Equipment
Motor Control
General Automation

Contact Specifications

Contact Rating	RR = 60A at 250VAC
	RS = 80A at 250VAC
Maximum Contact Loading	RR : AC = 13800VA, DC = 1440W for Resistive Loads
	RS : AC = 18400VA, DC = 1920W for Resistive Loads
Contact Form	Upto 2C
Contact Resistance	≤100mΩ (@1A, 6VDC)
Contact Material	Silver Alloy

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤40ms
Release Time	≤35ms
Terminal Type	Screw Terminals
Construction	Open Type
Weight	500g

DC Coil Data

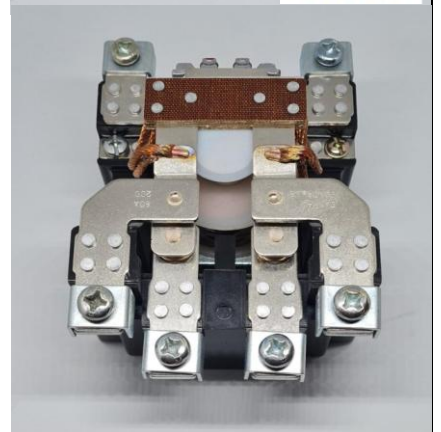
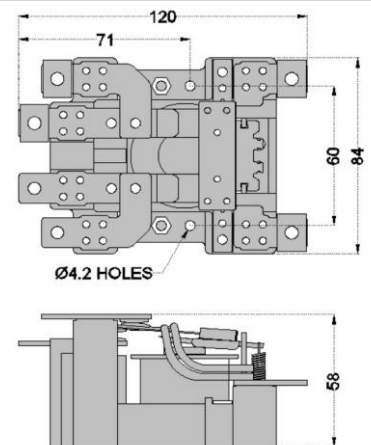
Coil Power		3.4W for DC Coils	Values at 23°C
Nominal Voltage	Operate Voltage	Release Voltage	Coil Restance
VDC	VDC	VDC	Ω ± 10%
6	4.8	0.8	11
12	9.6	1.5	43
24	19.2	3.0	170
48	38.4	6.0	680
60	48.0	7.5	1063

These are standard coils. Other coil ratings can also be supplied

Ordering Information

RR	2	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
RR = 60A	1 = 1C	D = DC	6 = 6V
RS = 80A	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
	2 = 2C		48 = 48V
	2A = 2NO		60 = 60V
	2B = 2NC		110 = 110V

RR2D24 is a 60A relay with 2C contacts and 24VDC Coil

**RR2 RELAY****Outline Dimensions and Mounting Holes (Top and Side Views)****DUNMAG CONTROLS PVT LTD**

33, ELECTRONICS CITY,
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Email : dunmag@gmail.com

Contact Nos.

9310346868, 9871994799

9810425447

U**25A, 30A****POWER RELAY**

www.dunmag.com

Applications

Automatic Voltage Stabilizers
Heating Equipment
General Automation

Motor Control
Automatic Changeover Switches

Contact Specifications

Contact Rating	UR : 25A at 250VAC or 24VDC US : 30A at 250VAC or 24VDC
Maximum Contact Loading	UR : AC = 5750VA, DC = 600W for Resistive Loads US : AC = 6900VA, DC = 720W for Resistive Loads
Contact Form	1A, 1B, and 1C
Contact Resistance	≤100mΩ (@1A, 6VDC)
Contact Material	Silver Alloy

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤30ms
Release Time	≤25ms
Ambient Temp Range	-20 to +70°C
Mechanical Service Life	1000,000 cycles
Electrical Service Life	100,000 cycles at rated current and coil voltage
Terminal Type	Screw Terminals
Construction	Open Type
Weight	230g

DC Coil Data

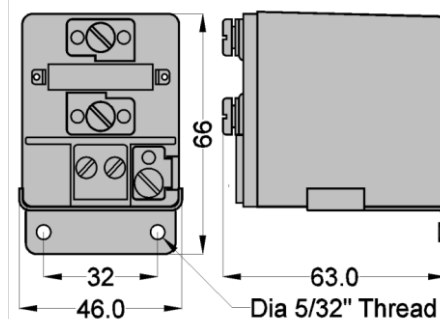
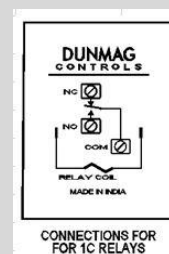
Coil Power	2.3W for DC Coils	Values at 23°C
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Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	16
12	9.6	1.5	63
24	19.2	3.0	250
48	38.4	6.0	1000
60	48.0	7.5	1563
110	88.0	13.8	5250

These are standard coils. Other coil ratings can also be supplied

Ordering Information

UR	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
UR = 25A	1 = 1C	D = DC	6 = 6V
US = 30A	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
			48 = 48V
			60 = 60V
			110 = 110V
UR1D24 is a 25A relay with 1C contacts and 24VDC Coil			

**Outline Dimensions and Mounting Holes (Top & Side Views)****Connection Diagram****DUNMAG CONTROLS PVT LTD**

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ZR**100A****POWER RELAY**

www.dunmag.com

Applications:

These sturdy relays, among others find particular use in:

Automatic Voltage Stabilizers
Heating Equipment
Motor Control
General Automation

Contact Specifications

Contact Rating	ZR = 100A at 250VDC
Maximum Contact Loading	AC : 23000VA, DC : 2400W for Resistive Loads
Contact Form	Upto 2C
Contact Resistance	≤100mΩ (@1A, 6VDC)
Contact Material	Silver Alloy

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤40ms
Release Time	≤35ms
Terminal Type	Screw Terminals
Construction	Open Type
Weight	1C- 550g, 2C-675g

DC Coil Data

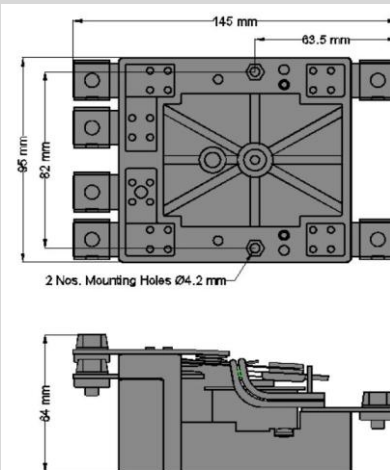
Coil Power	3.4W for DC Coils		Values at 23°C
Nominal Voltage	Operate Voltage	Release Voltage	Coil Resistance
VDC	VDC	VDC	Ω ± 10%
6	4.8	0.8	11
12	9.6	1.5	43
24	19.2	3.0	170
48	38.4	6.0	680
60	48.0	7.5	1063

These are standard coils. Other coil ratings can also be supplied

Ordering Information

ZR	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
ZR = 100A	1 = 1C	D = DC	6 = 6V
	1A = 1NO		12 = 12V
	1B = 1NC		24 = 24V
	2 = 2C		48 = 48V
	2A = 2NO		60 = 60V
	2B = 2NC		110 = 110V

ZR1D24 is a 100A relay with 1C contacts and 24VDC Coil

**ZR1****ZR2****Outline Dimensions and Mounting Holes (Bottom & Side Views)**

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ZS**150A****POWER RELAY**

www.dunmag.com

Applications:

These sturdy relays, among others find particular use in:

Automatic Voltage Stabilizers
Changeover Switches
Motor Control
Heating Equipment

Contact Specifications

Contact Rating	ZS = 150A	at 250VDC
Maximum Contact Loading	AC : 34500VA, DC : 3600W for Resistive Loads	
Contact Form	1X , Double Make: 1Y , Double Break and 1Z , DB-DM	
Contact Resistance	≤100mΩ (@1A, 6VDC)	
Contact Material	Silver Alloy	

Technical Specifications

Insulation Resistance	≥500MΩ (@500VDC)
Dielectric Strength	Between Open Contacts ≥1000VAC, 1 min
	Between Coil and Contacts ≥2000VAC, 1 min
Operate Time	≤40ms
Release Time	≤35ms
Terminal Type	Screw Terminals
Construction	Open Type
Weight	600g

DC Coil Data

Coil Power	3.4W for DC Coils	Values at 23°C
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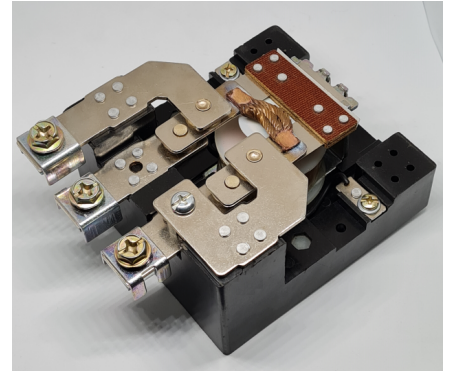
Nominal Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%
6	4.8	0.8	11
12	9.6	1.5	43
24	19.2	3.0	170
48	38.4	6.0	680
60	48.0	7.5	1063

These are standard coils. Other coil ratings can also be supplied

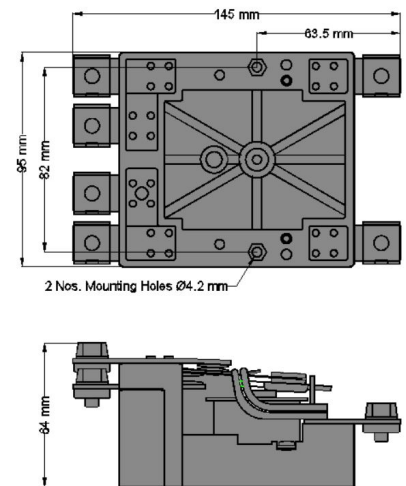
Ordering Information

ZS	1	D	24
Relay Type	Contact Configuration	Coil Type	Coil Voltage
ZS = 150A	1Z = 1C, DB-DM	D = DC	6 = 6V
	1X = 1NO, DM		12 = 12V
	1Y = 1NC, DB		24 = 24V
			48 = 48V
			60 = 60V
			110 = 110V

ZS1D24 is a 150A relay with 1Z contacts and 24VDC Coil



Outline Dimensions and Mounting Holes (Bottom & Side Views)



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