

POWER SUPPLIES



LOADED WITH **FEATURES** _____
DELIVERS GREAT **VALUE**

We at Connectwell believe that our customers should never have to cut corners when it comes to choosing the correct product for their applications. Hence our focus on creating products that deliver great value to our customers.

Connectwell Power Supplies are loaded with advanced features that are highly sought after, allowing for these power supplies to be used in a wide range of applications across industries.

Built for

EFFICIENCY & PERFORMANCE



- Excellent Load Regulation
- Excellent Line Regulation
- Low Ripple & Low Harmonics
- 130% Continuous Power Boost

Built to
LAST



- Built with highly reliable components
- Corrosion-Free Body
- Over-load & Over-voltage Protection
- Over Temperature Protection
- Short Circuit Protection

SAFETY
above all



- Compliance with IEC62368-1 Safety Standard
- IP20 Protection
- Built In Filtering
- Compliance with International EMI/EMC & LVD Standards
- Low In-Rush Current

Design for

UNIVERSAL



USE

- Wide Input Voltage Range
- Wide Operating Temperature Range
- Silent Operation
- Active Power Factor Correction Circuit

Saves



RESOURCES

- High Power Factor Rating
- High Power Efficiency with & without load

Ready for



CONTINGENCIES

- Remote Monitoring Possible
- Designed for Redundancy

SINGLE PHASE POWER SUPPLY

24 V / 2.5 A

- Single Phase AC input & 24V / 2.5A, 60W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 86%
- Compact design with a width of only 40.5 mm
- Less than 1W no load power consumption



CE RoHS

ORDERING INFORMATION

Cat. No. CSS60/24/2.5

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 VAC
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C (Refer Derating curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T2A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33 V
Output short circuit	YES
Degree of protection	IP20

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current	0.26A - 0.8A
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 60A
Efficiency (Typ.)	86%
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	±1%
Rated Current	2.5 A
Rated Power(Note1)	60 W
Line Regulation	±1%
Load Regulation	±1%
Output Voltage Trim Range	21.5 to 28 VDC
Rated Continuous Loading	2.5 A @24 VDC
Hold Up Time	50 ms
Turn On Time	600 ms at full load over entire input range
Rise Time	20 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150 mVp-p @ 230 VAC
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21 VDC ±1 %
Efficiency	86%

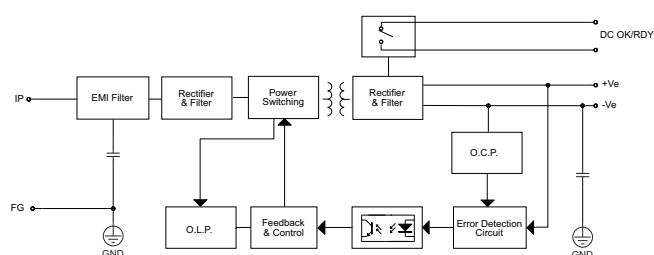
MECHANICAL SPECIFICATION

Dimensions	40 x 90 x 105 mm (W x H x D)
Case Material	Plastic
Net Weight	240 g
Gross Weight	270 g
Packing	Corrugated box packing

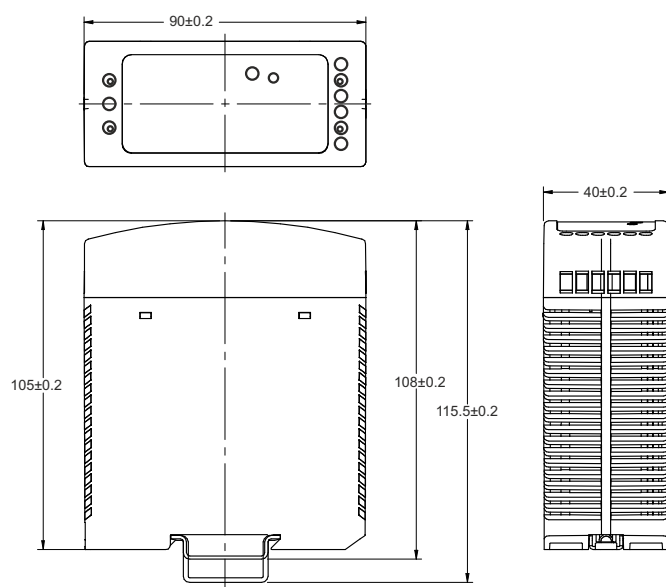
STANDARD USED FOR TESTING

Category	Reference Standards	Testing Level
Conducted Emission	CISPR22	CLASS B
Radiated Emission	CISPR11	CLASS A
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria A
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
SAFETY	IEC/EN62368-1	

BLOCK DIAGRAM



MECHANICAL DIMENSIONS



CONNECTION DETAILS

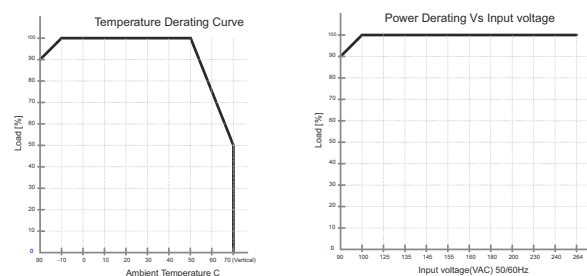
Wire Size	0.5 - 2.5 sq.mm
Rated Torque	0.4 Nm
Wire Size (UL)	20 - 14 AWG
Rated Torque (UL)	3.5 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75° C

ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted	CA701-1M
35mm x 7.5mm DIN Rail - Slotted	CA701-1M-S
35mm x 15mm DIN Rail - Un slotted	CA701-15-1M
35mm x 15mm DIN Rail - Slotted	CA701-15-1M-S
Screwdriver	SCS0.5/3
End Clamp	CA103 (6 mm Pitch) CA104 (10 mm Pitch)

TEMPERATURE AND POWER DERATING CURVE



SINGLE PHASE POWER SUPPLY

24 V / 5 A

- Single Phase AC input & 24V / 5A, 120W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 86%
- Compact design with a width of only 40.5 mm
- Less than 1W no load power consumption



CE RoHS

ORDERING INFORMATION

Cat. No. CSS120/24/5

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 VAC
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C (Refer Derating curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T3.15 A / 250 VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	90 - 264 VAC
DC Input Voltage Range	127 - 370 VDC
Rated Input Current AC (85 - 264 VAC)	0.6 - 1.2A
Rated Input Current DC (127 - 370 VDC)	0.36 - 1.1A
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 70A
Power Factor	>0.95
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	±1%
Rated Current	5A
Rated Power(Note1)	120 W
Line Regulation	±0.5%
Load Regulation	±0.5%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	5 A @ 24 VDC
Hold Up Time	16 ms / 115 VAC 20 ms / 230 VAC at full load
Turn On Time	1000 ms at full load over entire input range
Rise Time	90 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150 mVp-p @ 230 VAC
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21VDC ± 1 %
Efficiency	88%@230 VAC, 85%@115 VAC

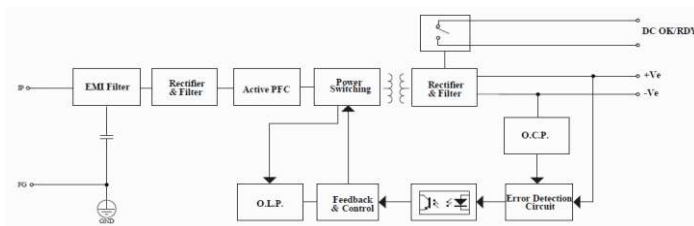
MECHANICAL SPECIFICATION

Dimensions	40 x 125.5 x 124 mm (W x H x D)
Case Material	Metal
Net Weight	590g
Gross Weight	620g
Packing	Corrugated box packing

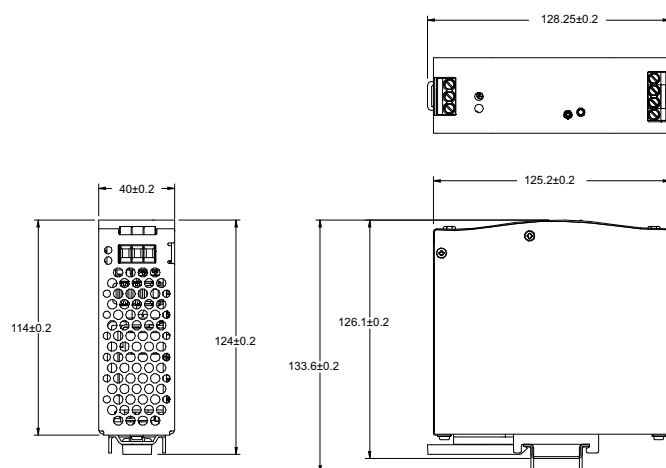
STANDARD USED FOR TESTING

Category	Reference Standards	Testing Level
Conducted Emission	CISPR22	CLASS B
Radiated Emission	CISPR11	CLASS A
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria A
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
SAFETY	IEC/EN62368-1	

BLOCK DIAGRAM



MECHANICAL DIMENSIONS



Note :

1. Installation clearances: 70mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.
2. Tolerance : Includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

CONNECTION DETAILS

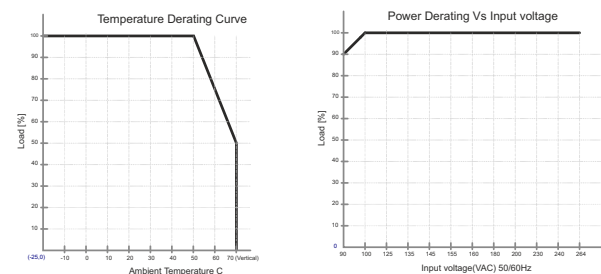
Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75° C

ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted	CA701-1M
35mm x 7.5mm DIN Rail - Slotted	CA701-1M-S
35mm x 15mm DIN Rail - Un slotted	CA701-15-1M
35mm x 15mm DIN Rail - Slotted	CA701-15-1M-S
Screwdriver	SCS0.5/3
End Clamp	CA103 (6 mm Pitch) CA104 (10 mm Pitch)

TEMPERATURE AND POWER DERATING CURVE



SINGLE PHASE POWER SUPPLY

24 V / 10 A

- Single Phase AC input & 24V / 10A, 240W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 92%
- Compact design with a width of only 63 mm
- Less than 1W no load power consumption



CE RoHS

ORDERING INFORMATION

Cat. No. CSS240/24/10

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 VAC
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C (Refer Derating curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T5A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current AC	2.4A/115VAC 1.13A/230VAC
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 12A
Power Factor	0.93
Leakage Current	< 3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	± 1%
Rated Current	10 A
Rated Power(Note1)	240 W
Line Regulation	± 0.5%
Load Regulation	± 1%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	10A @ 24 VDC
Hold Up Time	22 ms / 115 VAC 22 ms / 230 VAC at full load
Turn On Time	2000 ms at full load over entire input range
Rise Time	100 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	100 mVp-p @ 230 VAC
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21 VDC ± 1 %
Efficiency	> 92%
Boost Current	12 A

MECHANICAL SPECIFICATION

Dimensions	63 x 125.5 x 124 mm (W x H x D)
Case Material	Metal
Net Weight	747g
Gross Weight	810g
Packing	Corrugated box packing

STANDARD USED FOR TESTING

Category	Reference Standards	Testing Level
Conducted Emission	CISPR22	CLASS B
Radiated Emission	CISPR11	CLASS A
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria A
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
SAFETY	IEC/EN62368-1	

CONNECTION DETAILS

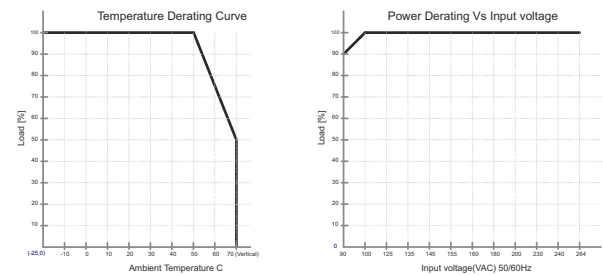
Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75° C

ACCESSORIES

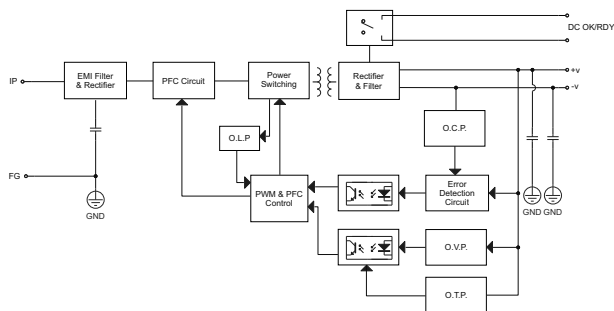
Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted	CA701-1M
35mm x 7.5mm DIN Rail - Slotted	CA701-1M-S
35mm x 15mm DIN Rail - Un slotted	CA701-15-1M
35mm x 15mm DIN Rail - Slotted	CA701-15-1M-S
Screwdriver	SCS0.5/3
End Clamp	CA103 (6 mm Pitch) CA104 (10 mm Pitch)

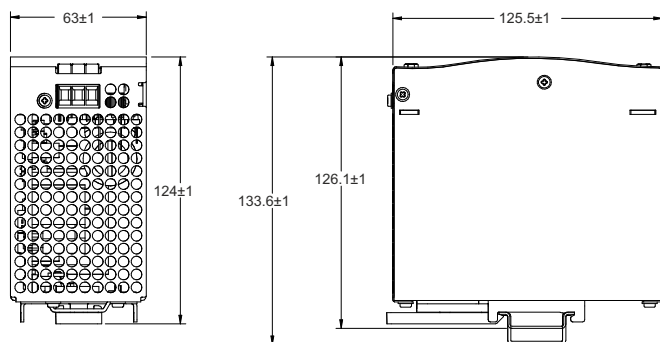
TEMPERATURE AND POWER DERATING CURVE



BLOCK DIAGRAM



MECHANICAL DIMENSIONS



Note :

1. Installation clearances: 70mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.
2. Tolerance : Includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

SINGLE PHASE POWER SUPPLY

24 V / 15 A

- Single Phase AC input & 24V / 15A, 360 W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 92%
- Less than 1W no load power consumption



CE RoHS

ORDERING INFORMATION

Cat. No. CSS360/24/15

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 VAC
Isolation Resistance	> 100 MΩ / 500 VDC
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C(Refer Derating curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C
Relative Humidity Range (Operational)	20 to 95% RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	Yes
Internal surge voltage protection	MOV
Rated over load protection	105-140% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 140% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	30 - 33 V
Output short circuit	YES, Hiccup mode-Pass
Degree of protection	IP20

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	90 - 264 VAC
DC Input Voltage Range	127 - 370 VDC
Rated Input Current AC	3.8 A/115VAC 1.7 A/230 VAC
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 23 A @ 230 V
Power Factor	< 0.96 @ 230 V
Leakage Current	< 1 mA / 230 VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	± 1%
Rated Current	15 A
Rated Power(Note1)	360 W
Line Regulation	±0.5%
Load Regulation	± 1%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	15A @ 24 VDC
Hold Up Time	> 21 ms / 115 VAC > 21 ms / 230 VAC at full load
Turn On Time	3000 ms at full load over entire input range
Rise Time	400 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	100 mVp-p @ 230 VAC
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21 VDC ± 1 %
Efficiency	>92%

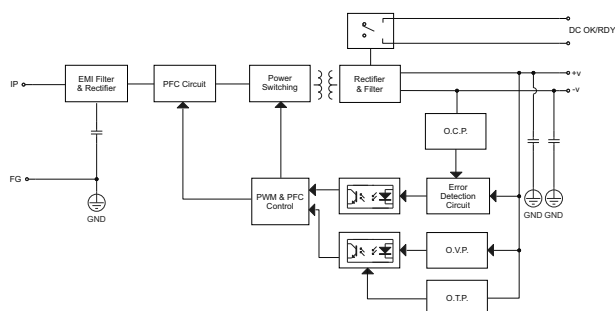
MECHANICAL SPECIFICATION

Dimensions	86 x 125.5 x 140 mm (W x H x D)
Case Material	Metal
Net Weight	1116 g
Gross Weight	1170 g
Packing	Corrugated box packing

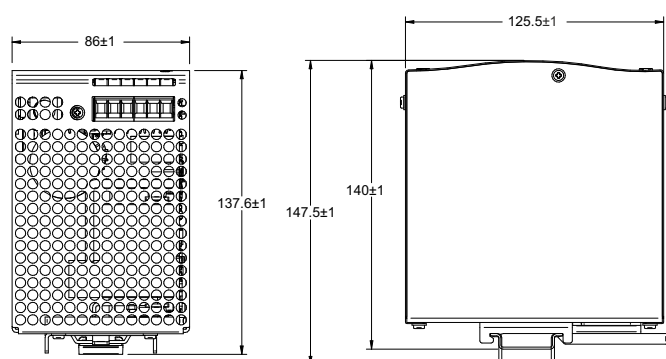
STANDARD USED FOR TESTING

Category	Reference Standards	Testing Level
Conducted Emission	CISPR22	CLASS B
Radiated Emission	CISPR11	CLASS A
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria A
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
SAFETY	IEC/EN62368-1	

BLOCK DIAGRAM



MECHANICAL DIMENSIONS



Note :

1. Installation clearances: 70mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.
2. Tolerance : Includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

CONNECTION DETAILS

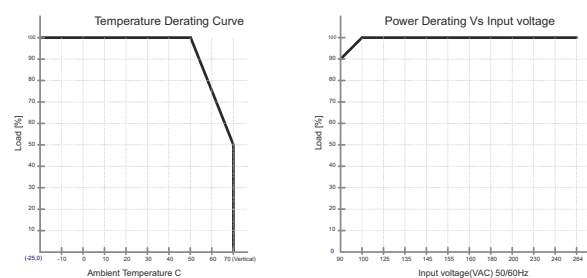
Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75° C

ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted	CA701-1M
35mm x 7.5mm DIN Rail - Slotted	CA701-1M-S
35mm x 15mm DIN Rail - Un slotted	CA701-15-1M
35mm x 15mm DIN Rail - Slotted	CA701-15-1M-S
Screwdriver	SCS0.5/3
End Clamp	CA103 (6 mm Pitch) CA104 (10 mm Pitch)

TEMPERATURE AND POWER DERATING CURVE



SINGLE PHASE POWER SUPPLY

24 V / 20 A

- Single Phase AC input & 24V / 20A, 480W DC output
- Full Range Input selection from 85 to 264 VAC
- Short circuit / overload protection
- Over voltage / Over temperature protection
- Cooling by natural air convection
- DC ok relay contact
- Typical efficiency of 91.5%
- Compact design with a width of only 63 mm
- Less than 2W no load power consumption



CE RoHS

ORDERING INFORMATION

Cat. No. CSS480/24/20

GENERAL SPECIFICATION

Min Isolation Voltage-AC (Input-FG)	2000 VAC
Min Isolation Voltage-AC (Input-Output)	3000 VAC
Min Isolation Voltage-AC (Output-FG)	500 VAC
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C (Refer Derating curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C
Relative Humidity Range (Operational)	20 to 95 %RH Non Condensing
Cooling	Cooling by natural air convection
Pollution Degree	2
LED Indication	Power ON/OFF
Relay Indication	DC Ready (Contact Rating: 30 VDC@1A, Resistive load)

CONTROL AND PROTECTION SPECIFICATIONS

Input fuse	T5A / 250VAC internal
Internal surge voltage protection	MOV
Rated over load protection	120-130% of rated Output Current
Power Ready	DC Ready (Contact Rating: 30 VDC@1A)
Over Current	105 ~ 150% of rated Output Current, above 150% shutdown(Auto Recovery)
Over voltage protection	29 - 33V
Output short circuit	YES
Degree of protection	IP20

INPUT SPECIFICATIONS

Input Phase	Single
Rated Input Voltage	100 - 240 VAC
AC Input Voltage Range	85 - 264 VAC
DC Input Voltage Range	120 - 370 VDC
Rated Input Current AC	4.8A/115VAC 2.4A/230VAC
Line Frequency Range	47 - 63Hz
Inrush Current (Typ.)	< 15A
Power Factor	>0.97
Leakage Current	<3mA / 240VAC
Surge Protection	Varistor

OUTPUT SPECIFICATIONS

Output Voltage	24 V
Output Voltage Accuracy (Adjusted before shipment)	± 1%
Rated Current	20 A
Rated Power(Note1)	480 W
Line Regulation	±0.5%
Load Regulation	± 1%
Output Voltage Trim Range	20 to 28 VDC
Rated Continuous Loading	20 A @24 VDC
Hold Up Time	20 ms / 115 VAC 20 ms / 230 VAC at full load
Turn On Time	3000 ms at full load over entire input range
Rise Time	400 ms at full load over entire input range
Ripple and Noise (BW = 20MHz)	150 mVp-p @ 230 VA
DC On Indicator	Yes
DC ON Indicator Threshold at start up (Green LED)	21VDC ± 1 %
Efficiency	>91.5%
Boost Current	24 A

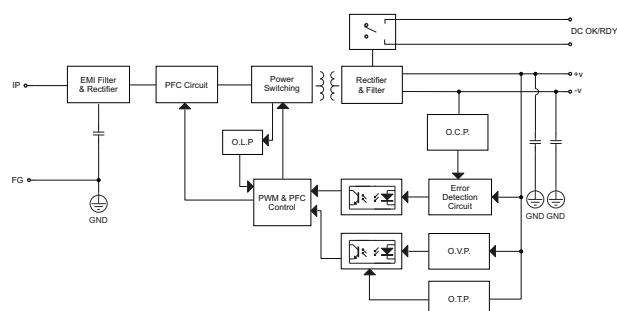
MECHANICAL SPECIFICATION

Dimensions	86 x 125.5 x 140 mm (W x H x D)
Case Material	Metal
Net Weight	1059 g
Gross Weight	1115 g
Packing	Corrugated box packing

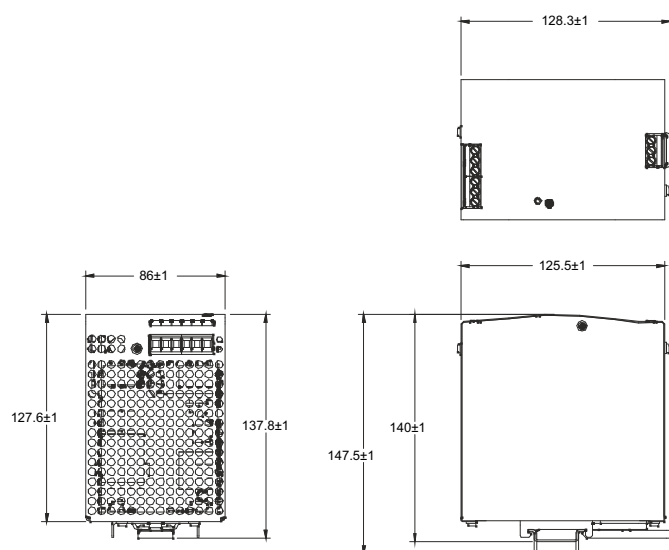
STANDARD USED FOR TESTING

Category	Reference Standards	Testing Level
Conducted Emission	CISPR22	CLASS B
Radiated Emission	CISPR11	CLASS A
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria A
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
SAFETY	IEC/EN62368-1	

BLOCK DIAGRAM



MECHANICAL DIMENSIONS



Note :

1. Installation clearances: 70mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.
2. Tolerance : Includes set up tolerance, line regulation and load regulation.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

CONNECTION DETAILS

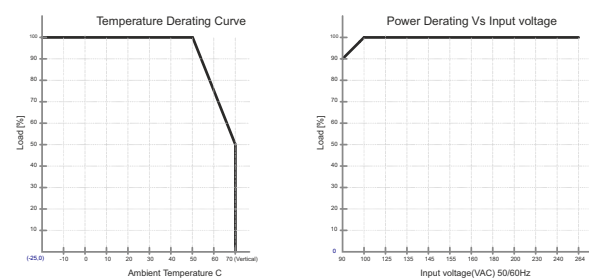
Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75° C

ACCESSORIES

Mounting Rail (1 M Length)

35mm x 7.5mm DIN Rail - Un slotted	CA701-1M
35mm x 7.5mm DIN Rail - Slotted	CA701-1M-S
35mm x 15mm DIN Rail - Un slotted	CA701-15-1M
35mm x 15mm DIN Rail - Slotted	CA701-15-1M-S
Screwdriver	SCS0.5/3
End Clamp	CA103 (6 mm Pitch) CA104 (10 mm Pitch)

TEMPERATURE AND POWER DERATING CURVE



REDUNDANCY MODULE

10 A

- 10 A Redundant Module Din Rail Mountable
- 100% decoupling of power supply units connected in parallel
- Suitable for Redundant operation of 12/24V System
- DIN Rail Mounting
- Reverse polarity Protection
- LED indicator for input line



CE RoHS

ORDERING INFORMATION

Cat. No.	CDR10
Output Voltage	12/24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	10.2 - 30 VDC
Standard Packing Qty.	1

GENERAL SPECIFICATION

Isolation Voltage -AC (IP/OP-FG)	500 VAC
Isolation Voltage -AC (IP/OP-Relay)	NA
Isolation Voltage -AC (Relay-FG)	NA
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C (Refer to Temperature Derating Curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C & 10 - 95% RH
Relative Humidity Range	20 ~ 95% RH Non-condensing
Cooling	Free Air Convection
Pollution Degree	2

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Internal surge voltage protection: IEC61000-4-5	Yes

CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75° C

PHYSICAL SPECIFICATION

Dimensions	40 x 125.5 x 124 (W x H x D)
Case Material	Metal
Base	Aluminium
Cover	Metal
Net Weight	299 g
Gross Weight	329 g
Packing	Corrugated Box

INPUT SPECIFICATIONS

Input Current (Max)	10A per input
Rated Input Voltage	12 VDC / 24VDC
DC Input Voltage Range	10.2 to 30VDC
No. of inputs	2

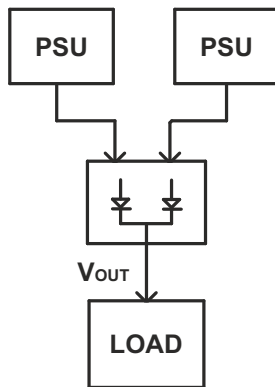
OUTPUT SPECIFICATIONS

Output Voltage	12/24 VDC
Output Current	10 A
Output Voltage Drop: Vin - Vout	0.7 V

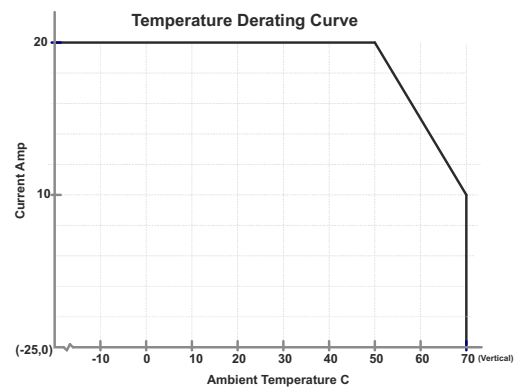
STANDARD USED FOR TESTING

Category	Reference Standards	Testing Level
Conducted Emission	CISPR22	CLASS B
Radiated Emission	CISPR11	CLASS A
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria A
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
SAFETY	IEC/EN62368-1	

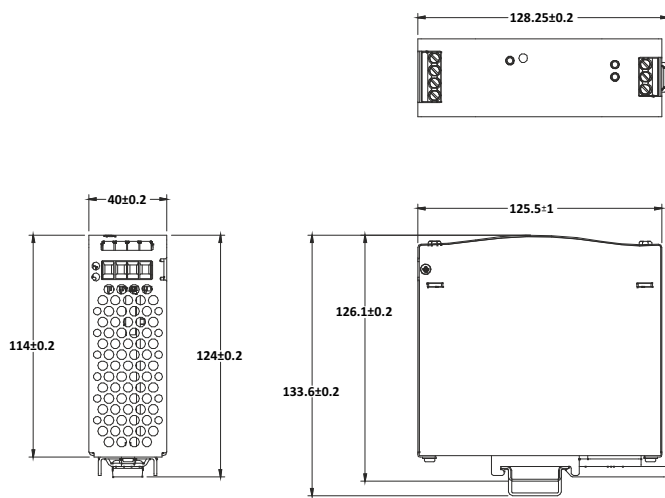
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



Note :

1. Installation clearances: 40mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.

REDUNDANCY MODULE

20 A

- 20 A Redundant Module Din Rail Mountable
- 100% decoupling of power supply units connected in parallel
- Suitable for Redundant operation of 12/24V System
- DIN Rail Mounting
- Reverse polarity Protection
- LED indicator for input line



CE RoHS

ORDERING INFORMATION

Cat. No.	CDR20
Output Voltage	12/24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	10.2 - 30 VDC
Standard Packing Qty.	1

GENERAL SPECIFICATION

Isolation Voltage -AC (IP/OP-FG)	500 VAC
Isolation Voltage -AC (IP/OP-Relay)	500 VAC
Isolation Voltage -AC (Relay-FG)	500 VAC
Isolation Resistance	> 100 MΩ
Ambient Temperature Range (Operational at Vi norm)	-25°C ... +70°C (Refer to Temperature Derating Curve)
Ambient Temperature Range (Storage)	-40°C ... +85°C & 10 - 95% RH
Relative Humidity Range	20 ~ 95% RH Non-condensing
Cooling	Free Air Convection
Pollution Degree	2

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Internal surge voltage protection: IEC61000-4-5	Yes

STANDARD USED FOR TESTING

EMC Emission	CISPR32
Electrostatic Discharge	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transient / Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Power Frequency Magnetic Field	IEC 61000-4-8
Voltage Dips & Interruption	IEC 61000-4-11
Safety	IEC62368-1

PHYSICAL SPECIFICATION

Dimensions	40 x 125.5 x 124 (W x H x D)
Case Material	Metal
Base	Aluminium
Cover	Metal
Net Weight	310 g
Gross Weight	340 g
Packing	Corrugated Box

INPUT SPECIFICATIONS

Input Current (max)	20 A
Rated Input Voltage	12 VDC / 24 VDC
DC Input Voltage Range	10.2 to 30 VDC
No. of inputs	2
Transient surge protection	Varistor

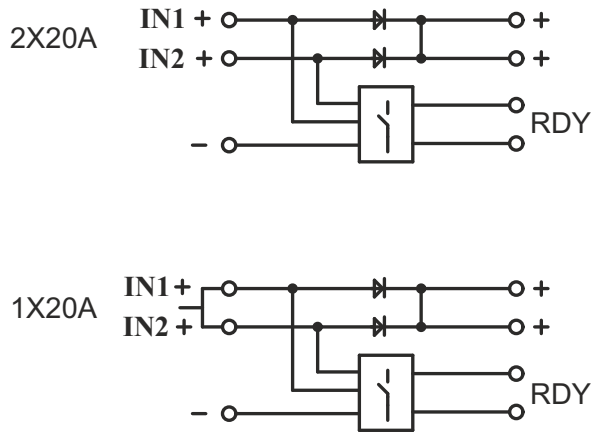
OUTPUT SPECIFICATIONS

Output Voltage	12/24 VDC
Output Current	20 A
Output Voltage Drop: Vin - Vout	0.7 V
LED Indicators	LED redundancy OK / In1 & IN2 > 10.2 V: LED ON

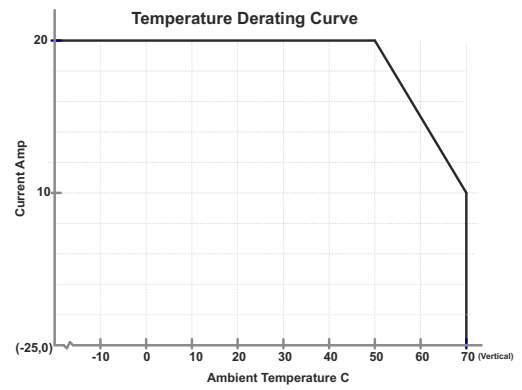
CONNECTION DETAILS

Wire Size	0.5 - 4.0 sq.mm
Rated Torque	0.5 Nm
Wire Size (UL)	20 - 12 AWG
Rated Torque (UL)	4.4 lb-in
Wire Stripping Length	8 mm Use copper conductors only, 60 / 75°C

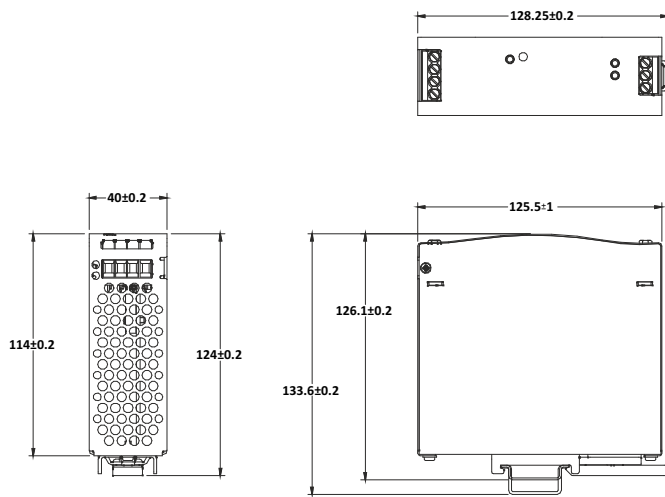
BLOCK DIAGRAM



TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS

**Note :**

1. Installation clearances: 40mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.

REDUNDANCY MODULE

40 A

- 100% decoupling of power supply units connected in parallel
- Dual Input with Single Output
- Reverse polarity Protection
- Built-in 2 channels DC OK signal and alarm relay contact
- LED indicator for input line
- 40mm Slim width
- 3 years warranty



CE RoHS

ORDERING INFORMATION

Cat. No.	CDR40
Output Voltage	12/24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	10.2 - 30 VDC
Standard Packing Qty.	1

INPUT

Rated Voltage	12-24 VDC
Nominal input voltage range	10.2V - 30 VDC
No. of inputs	2
Input Current (max.)	40 A per Input
Transient surge protection	Varistor

FUNCTIONS

Both Inputs Voltage Alarm	Contact closed when IN1 & IN2 > 10.2 V
Relay Contact Rating	30V DC, 1A
LED Status Display	Green LED OK

SAFETY

Withstand Voltage	I/P-FG: 0.5KVAC O/P-FG:0.5KVAC
Isolation Resistance	Terminal – chassis > 100Mohm /500 VDC/25°C/70°C
Degree of Protection	IP20

PHYSICAL SPECIFICATION

Dimensions	40 x 125.5 x 129 (W x H x D)
Case Material	Metal
Base	Aluminium
Cover	Metal
Net Weight	360 g
Gross Weight	400 g
Packing	Corrugated Box

OUTPUT

DC voltage	12-24 VDC
Output Current (max.)	40 A
Voltage Drop	370 mV

ENVIRONMENTAL

Operating Temperature	-25°C ... +70°C (Derating)
Storage Temperature	-40°C ... +75°C
Humidity	≤ 95 % (at 25°C, no condensation)
Vibration	< 15 Hz, amplitude ±2.5 mm
Pollution Degree	2

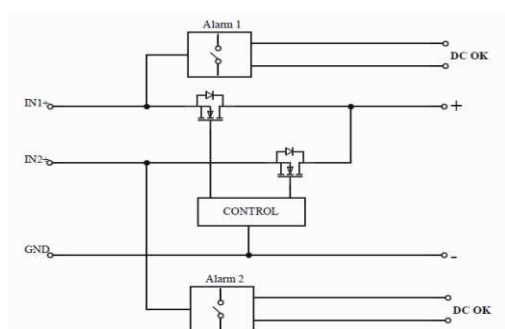
MATERIAL

Base	Aluminium
Cover	SS
Dimensions	63X125.2X113.5(W*H*D)
Weight	395 g

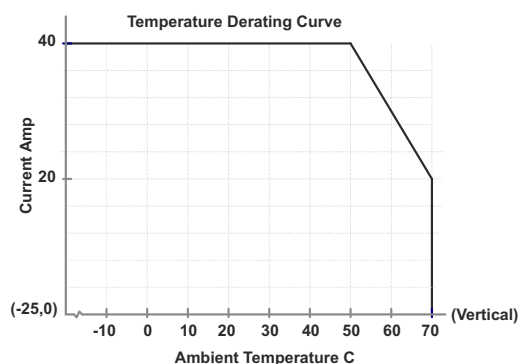
APPLICABLE STANDARDS

Parameter	Standards	Test Level
Safety Standards	EN62368-1	
Electrostatic Discharge	IEC 61000-4-2	Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3	Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4	Level 3, Criteria A
Surge	IEC 61000-4-5	Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6	Level 3, Criteria B
Power Frequency Magnetic Field	IEC 61000-4-8	Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11	Criteria A & B
EMC Emission	CISPR32, IEC 61000-3-2	

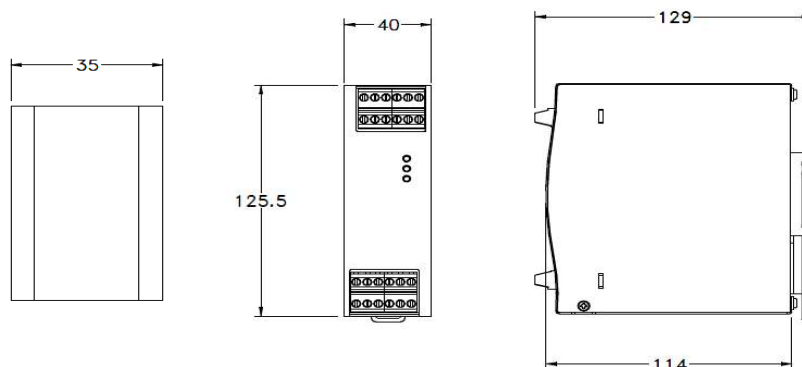
BLOCK DIAGRAM



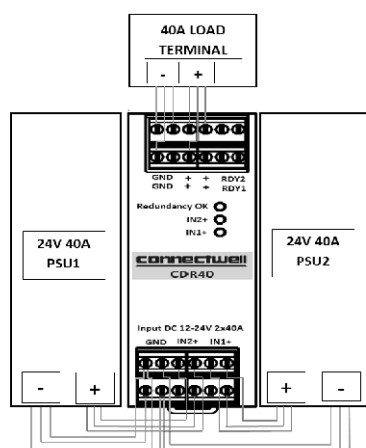
TEMPERATURE AND POWER DERATING CURVE



MECHANICAL DIMENSIONS



WIRING DIAGRAM



Note :

1. Installation clearances: 40mm on top and bottom, 10mm on the left and right side are recommended when loaded with full power.

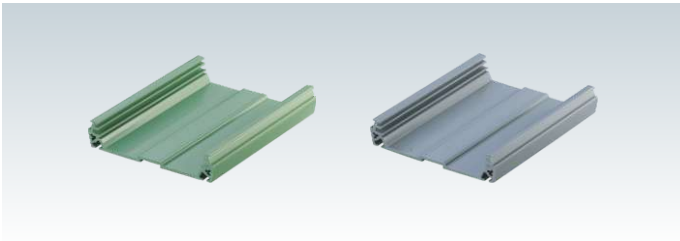
ACCESSORIES

Interface Module Accessories for Housing 73 mm & 108 mm width PCB Circuits

Connectwell uses V0 grade PVC Mounting Tracks for housing its Interface Modules. These tracks are used with a combination of Mounting Feet & End Sections to achieve DIN Rail mounting and panel mounting. The Mounting Tracks are available in standard lengths of 1 or 2 meters and can be precisely cut to required lengths. Alternately Connectwell can provide kits with pre-cut track lengths, End Sections, Mounting Feet & Screws.

MOUNTING TRACK

Mounting Track for 73 mm PCB Circuits



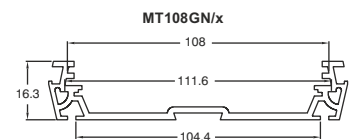
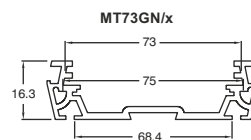
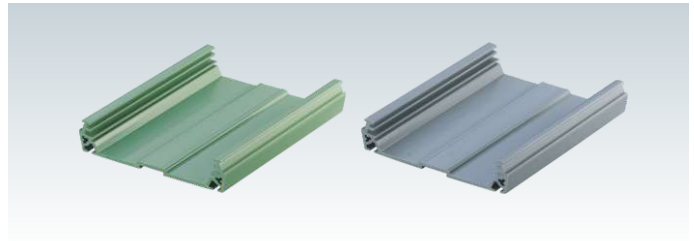
Technical Information

Standard Length	1 m or 2 m
	(Precut Lengths of Mounting Track available on request)
Mounting Track Material	PVC
Short Term Temperature	80°C
Continuous Temperature	70°C

Ordering Information

73 mm Mounting Track	GREEN	GREY
1 mtr Length	MT73GN/1	MT73G/1
2 mtr Length	MT73GN/2	MT73G/2

Mounting Track for 108 mm PCB Circuits

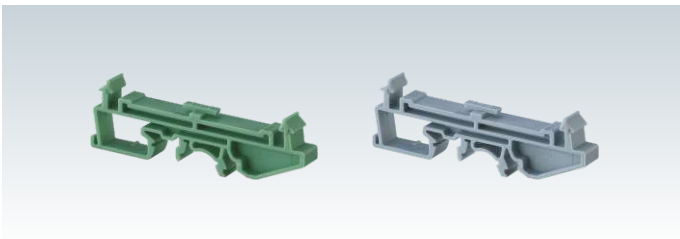


108 mm Mounting Track	GREEN	GREY
1 mtr Length	MT108GN/1	MT108G/1
2 mtr Length	MT108GN/2	MT108G/2

Note: Tracks accept Standard 'K' Marking Tags for identification.

MOUNTING FEET

Mounting Feet for 73 mm Mounting Track



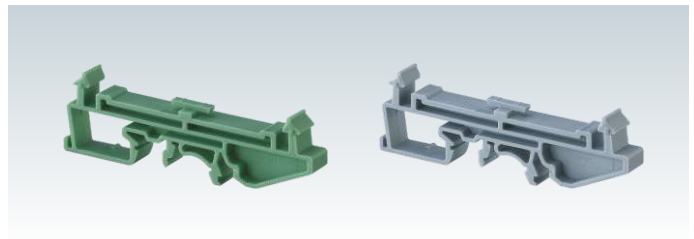
Technical Information

Mounting Track Material

Ordering Information

73 mm Mounting Feet	GREEN	GREY
Cat. No.	MFMT73GN	MFMT73G

Mounting Feet for 108 mm Mounting Track

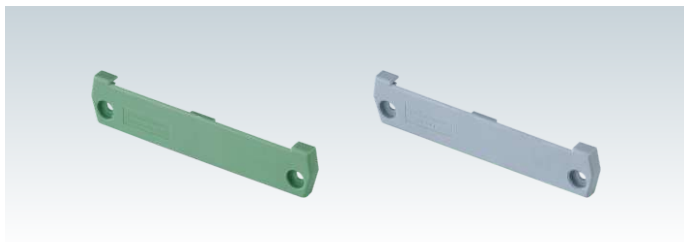


Polyamide 66

108 mm Mounting Feet	GREEN	GREY
Cat. No.	MFMT108GN	MFMT108G

END SECTION (RAIL MOUNTING)

End Section (Rail Mounting) for 73 mm Mounting Track



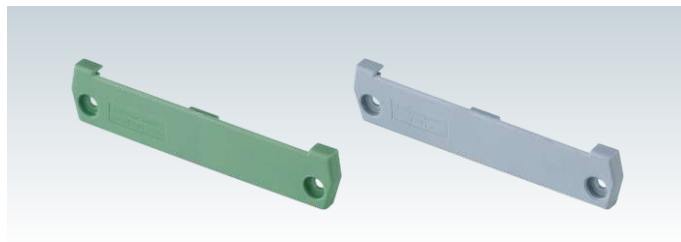
Technical Information

Mounting Track Material

Ordering Information

Rail End Section 73 mm	GREEN	GREY
Cat. No.	ESMT73GN	ESMT73G

End Section (Rail Mounting) for 108 mm Mounting Track



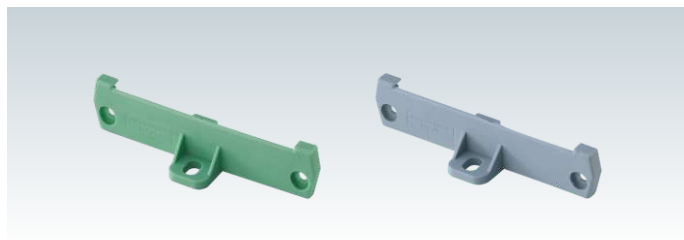
Polyamide 66

Rail End Section 108 mm	GREEN	GREY
Cat. No.	ESMT108GN	ESMT108G

Note: ESMT are supplied with a set of screws used to fix them on to the Mounting Track.

END SECTION (PANEL MOUNTING)

End Section (Panel Mounting) for 73 mm Mounting Track



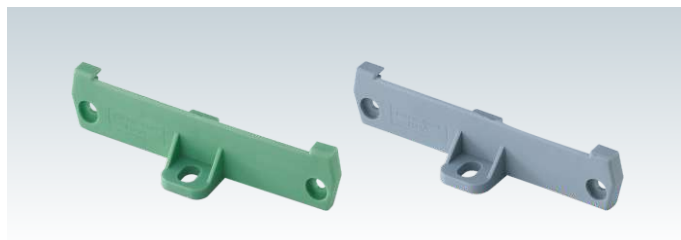
Technical Information

Mounting Track Material

Ordering Information

Panel End Section 73 mm	GREEN	GREY
Cat. No.	ESPMT73GN	ESPMT73G

End Section (Panel Mounting) for 108 mm Mounting Track



Polyamide 66

Panel End Section 108 mm	GREEN	GREY
Cat. No.	ESPMT108GN	ESPMT108G

Note: ESPMT are supplied with a set of screws used to fix them on to the Mounting Track.

MOUNTING TRACK ASSEMBLIES

Channel Mounting Track Assembly



Panel Mounting Track Assembly



Ready to use, cut-length assemblies of Mounting Track along with ESMTs / ESPMTs and MFMTs are available on request.

Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.
ADID24V	47	CIMRE2SS2/230A/OM	53	CRMA1S024AYL	27	CSER1-24D48D4YC	45
ADIF24V	47	CIMRE2SS2/24/OM	53	CRMA1S024DYL	27	CSER1-24U380A2XC	45
ADOD24V	47	CIMRE2SS2/24A/OM	53	CRMA1S048DYL	27	CSER1-24U380A2YC	45
ADOF24V	47	CIMRE2SS4/110A/OM	53	CRMA1S110DYL	27	CSER1-24U48D100XC	45
CA103	42	CIMRE2SS4/12/OM	53	CRMA1S115AYL	27	CSER1-24U48D100YC	45
CA104	42	CIMRE2SS4/230A/OM	53	CRMA1S230AYL	27	CSER1-24U48D4XC	45
CA202	44	CIMRE2SS4/24/OM	53	CRMA2PP012DYLT	34	CSER1-24U48D4YC	45
CA-509/G3	12	CIMRE2SS4/24A/OM	53	CRMA2PP024AYLT	34	CSER1-4860U380A2XC	45
CA-509/G4	8	CIMRE2SS8/110A/OM	53	CRMA2PP024DYLT	34	CSER1-4860U380A2YC	45
CA701-15-1M	42	CIMRE2SS8/12/OM	53	CRMA2PP048DYLT	34	CSER1-4860U48D100XC	45
CA701-15-1M-S	42	CIMRE2SS8/230A/OM	53	CRMA2PP110DYLT	34	CSER1-4860U48D100YC	45
CA701-1M	42	CIMRE2SS8/24/OM	53	CRMA2PP115AYLT	34	CSER1-4860U48D4XC	45
CA701-1M-S	42	CIMRE2SS8/24A/OM	53	CRMA2PP220DYLT	34	CSER1-4860U48D4YC	45
CA702	44	CRB1	8	CRMA2PP230AYLT	34	CSR1S-120UXB	41
CDR10	117	CRB1M	8	CRMA2PS012DYL	32	CSR1S-120UXB-SN	41
CDR20	119	CRB4	18	CRMA2PS024AYL	32	CSR1S-120UYB	41
CDR40	121	CRB4M	12	CRMA2PS024DYL	32	CSR1S-120UYB-SN	41
CFTD2	99	CRLA1S012D	7	CRMA2PS048DYL	32	CSR1S-12UXB	41
CFTD4	101	CRLA1S024A	7	CRMA2PS110DYL	32	CSR1S-12UYB	41
CFTDPR4	103	CRLA1S024D	7	CRMA2PS115AYL	32	CSR1S-230UXB	41
CIMRE1S2/110A/OM	51	CRLA1S048D	7	CRMA2PS220DYL	32	CSR1S-230UXB-SN	41
CIMRE1S2/12/OM	51	CRLA1S110D	7	CRMA2PS230AYL	32	CSR1S-230UYB	41
CIMRE1S2/230A/OM	51	CRLA1S115A	7	CRMA2S012DYL	29	CSR1S-230UYB-SN	41
CIMRE1S2/24/OM	51	CRLA1S230A	7	CRMA2S024AYL	29	CSR1S-24DXB	41
CIMRE1S2/24A/OM	51	CRLA2PP012DLT	13	CRMA2S024DYL	29	CSR1S-24DYB	41
CIMRE1S4/110A/OM	51	CRLA2PP024ALT	13	CRMA2S048DYL	29	CSR1S-24UXB	41
CIMRE1S4/12/OM	51	CRLA2PP024DLT	13	CRMA2S110DYL	29	CSR1S-24UYB	41
CIMRE1S4/230A/OM	51	CRLA2PP048DLT	13	CRMA2S115AYL	29	CSR1S-48-60UXB	41
CIMRE1S4/24/OM	51	CRLA2PP110DLT	13	CRMA2S230AYL	29	CSR1S-48-60UYB	41
CIMRE1S4/24A/OM	51	CRLA2PP115ALT	13	CRMA4P012DYLT	38	CSR1S-5DXB	41
CIMRE1S8/110A/OM	51	CRLA2PP220DLT	13	CRMA4P024AYLT	38	CSR1S-5DYB	41
CIMRE1S8/12/OM	51	CRLA2PP230ALT	13	CRMA4P024DYLT	38	CSR2S-120UYA	43
CIMRE1S8/230A/OM	51	CRLA2PS012DL	11	CRMA4P048DYLT	38	CSR2S-120UYA-SN	43
CIMRE1S8/24/OM	51	CRLA2PS024AL	11	CRMA4P110DYL	38	CSR2S-12UYC	43
CIMRE1S8/24A/OM	51	CRLA2PS024DL	11	CRMA4P115AYLT	38	CSR2S-230UYA	43
CIMRE1SS2/110A/OM	51	CRLA2PS048DL	11	CRMA4P220DYLT	38	CSR2S-230UYA-SN	43
CIMRE1SS2/12/OM	51	CRLA2PS110DL	11	CRMA4P230AYLT	38	CSR2S-24UYC	43
CIMRE1SS2/230A/OM	51	CRLA2PS115AL	11	CRMA4S012DYL	36	CSR2S-48-60UYC	43
CIMRE1SS2/24/OM	51	CRLA2PS220DL	11	CRMA4S024AYL	36	CSS120/24/5	109
CIMRE1SS2/24A/OM	51	CRLA2PS230AL	11	CRMA4S024DYL	36	CSS240/24/10	111
CIMRE1SS4/110A/OM	51	CRLA2S012D	9	CRMA4S048DYL	36	CSS360/24/15	113
CIMRE1SS4/12/OM	51	CRLA2S024A	9	CRMA4S110DYL	36	CSS480/24/20	115
CIMRE1SS4/230A/OM	51	CRLA2S024D	9	CRMA4S115AYL	36	CSS60/24/2.5	107
CIMRE1SS4/24/OM	51	CRLA2S048D	9	CRMA4S220DYL	36	ESMT108GN	124
CIMRE1SS4/24A/OM	51	CRLA2S110D	9	CRMA4S230AYL	36	ESMT73G	124
CIMRE1SS8/110A/OM	51	CRLA2S115A	9	CRS1COY	19	ESMT73GN	124
CIMRE1SS8/12/OM	51	CRLA2S230A	9	CRS2COPY	23	ESPMT108G	124
CIMRE1SS8/230A/OM	51	CRLA4P012DLT	17	CRS2COY	21	ESPMT108GN	124
CIMRE1SS8/24/OM	51	CRLA4P024ALT	17	CRS4COY	25	ESPMT73G	124
CIMRE1SS8/24A/OM	51	CRLA4P024DLT	17	CSER1-120U380A2XC	45	ESPMT73GN	124
CIMRE2S2/110A/OM	53	CRLA4P048DLT	17	CSER1-120U380A2YC	45	GMH8	52
CIMRE2S2/12/OM	53	CRLA4P110DLT	17	CSER1-120U48D100XC	45	GMH8N	52
CIMRE2S2/230A/OM	53	CRLA4P115ALT	17	CSER1-120U48D100YC	45	I MRJ45/1:1/8/HS	89
CIMRE2S2/24/OM	53	CRLA4P220DLT	17	CSER1-120U48D4XC	45	I MRJ45/1:1/8/V	89
CIMRE2S2/24A/OM	53	CRLA4P230ALT	17	CSER1-120U48D4YC	45	I MRJ45/8/H	89
CIMRE2S4/110A/OM	53	CRLA4S012DL	15	CSER1-230A380A2XC	45	I MRJ45/8/HS	89
CIMRE2S4/12/OM	53	CRLA4S024AL	15	CSER1-230A380A2YC	45	I MRJ45/8/HS-V1	89
CIMRE2S4/24/OM	53	CRLA4S024DL	15	CSER1-230A48D100XC	45	I MRJ45/8/V	89
CIMRE2S4/24A/OM	53	CRLA4S048DL	15	CSER1-230A48D100YC	45	IMACC/CIMRE/EXT	52
CIMRE2S8/110A/OM	53	CRLA4S110DL	15	CSER1-230A48D4XC	45	IMCC/12	90
CIMRE2S8/12/OM	53	CRLA4S115AL	15	CSER1-230A48D4YC	45	IMCC/16	90
CIMRE2S8/230A/OM	53	CRLA4S220DL	15	CSER1-24D380A2XC	45	IMCC/20	90
CIMRE2S8/24/OM	53	CRLA4S230AL	15	CSER1-24D380A2YC	45	IMCC/24	90
CIMRE2S8/24A/OM	53	CRLD110-230V	8	CSER1-24D48D100XC	45	IMCC/4	90
CIMRE2SS2/110A/OM	53	CRLD12-60V	8	CSER1-24D48D100YC	45	IMCC/8	90
CIMRE2SS2/12/OM	53	CRMA1S012DYL	27	CSER1-24D48D4XC	45	IMD/CA/14	91

Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.
IMD/CA/16	91	IMDSUBM/9/L1	87	IMERS1/24D400A3	61	IMFI/2/S/24	94
IMD/CA/20	91	IMDSUBM/9/S	87	IMERS1/5D125D2	61	IMFI/4/S/110	94
IMD/CA/22	91	IMDSUBM/9/SC	87	IMERS1/5D400A3	61	IMFI/4/S/230	94
IMD/CA/6	91	IMER1/12D125D2	61	IMERS16/12D125D2	61	IMFI/4/S/24	94
IMD/CK/14	91	IMER1/12D400A3	61	IMERS16/12D400A3	61	IMFI/8/S/110	94
IMD/CK/22	91	IMER1/24D125D2	61	IMERS16/24D125D2	61	IMFI/8/S/230	94
IMD/CK/6	91	IMER1/24D400A3	61	IMERS16/24D400A3	61	IMFI/8/S/24	94
IMD/S/10	91	IMER1/5D125D2	61	IMERS16/5D125D2	61	IMDC/10/H/L	85
IMD/S/12	91	IMER1/5D400A3	61	IMERS16/5D400A3	61	IMDC/10/L1/L	85
IMD/S/16	91	IMER16/12D125D2	61	IMERS2/12D125D2	61	IMDC/10/S/L	85
IMD/S/20	91	IMER16/12D400A3	61	IMERS2/12D400A3	61	IMDC/10/SC/L	85
IMD/S/24	91	IMER16/24D125D2	61	IMERS2/24D125D2	61	IMDC/14/H/L	85
IMD/S/4	91	IMER16/24D400A3	61	IMERS2/24D400A3	61	IMDC/14/L1/L	85
IMD/S/8	91	IMER16/5D125D2	61	IMERS2/5D125D2	61	IMDC/14/S/L	85
IMDLT/AC/10	91	IMER16/5D400A3	61	IMERS2/5D400A3	61	IMDC/14/SC/L	85
IMDLT/AC/22	91	IMER2/12D125D2	61	IMERS4/12D125D2	61	IMDC/16/H/L	85
IMDLT/AC/5	91	IMER2/12D400A3	61	IMERS4/12D400A3	61	IMDC/16/L1/L	85
IMDLT/DC/CA/10	91	IMER2/24D125D2	61	IMERS4/24D125D2	61	IMDC/16/S/L	85
IMDLT/DC/CA/12	91	IMER2/24D400A3	61	IMERS4/24D400A3	61	IMDC/16/SC/L	85
IMDLT/DC/CA/16	91	IMER2/5D125D2	61	IMERS4/5D125D2	61	IMDC/20/H/L	85
IMDLT/DC/CA/24	91	IMER2/5D400A3	61	IMERS4/5D400A3	61	IMDC/20/L1/L	85
IMDLT/DC/CA/5	91	IMER4/12D125D2	61	IMERS8/12D125D2	61	IMDC/20/S/L	85
IMDLT/DC/CK/10	91	IMER4/12D400A3	61	IMERS8/12D400A3	61	IMDC/20/SC/L	85
IMDLT/DC/CK/12	91	IMER4/24D125D2	61	IMERS8/24D125D2	61	IMDC/26/H/L	85
IMDLT/DC/CK/5	91	IMER4/24D400A3	61	IMERS8/24D400A3	61	IMDC/26/L1/L	85
IMDLT/DC/CK/8	91	IMER4/5D125D2	61	IMERS8/5D125D2	61	IMDC/26/S/L	85
IMDLT/DC/S/10	91	IMER4/5D400A3	61	IMERS8/5D400A3	61	IMDC/26/SC/L	85
IMDLT/DC/S/5	91	IMER8/12D125D2	61	IMERSF1/12D125D2	68	IMDC/34/H/L	85
IMDLT/DC/S/6	91	IMER8/12D400A3	61	IMERSF1/12D400A3	68	IMDC/34/L1/L	85
IMDSUBF/15/H	87	IMER8/24D125D2	61	IMERSF1/24D125D2	68	IMDC/34/S/L	85
IMDSUBF/15/L1	87	IMER8/24D400A3	61	IMERSF1/24D400A3	68	IMDC/34/SC/L	85
IMDSUBF/15/S	87	IMER8/5D125D2	61	IMERSF1/5D125D2	68	IMDC/40/H/L	85
IMDSUBF/15/SC	87	IMER8/5D400A3	61	IMERSF1/5D400A3	68	IMDC/40/L1/L	85
IMDSUBF/25/H	87	IMERF1/12D125D2	68	IMERSF16/12D125D2	68	IMDC/40/S/L	85
IMDSUBF/25/L1	87	IMERF1/12D400A3	68	IMERSF16/12D400A3	68	IMDC/40/SC/L	85
IMDSUBF/25/S	87	IMERF1/24D125D2	68	IMERSF16/24D125D2	68	IMDC/50/H/L	85
IMDSUBF/25/SC	87	IMERF1/24D400A3	68	IMERSF16/24D400A3	68	IMDC/50/L1/L	85
IMDSUBF/37/H	87	IMERF1/5D125D2	68	IMERSF16/5D125D2	68	IMDC/50/S/L	85
IMDSUBF/37/L1	87	IMERF1/5D400A3	68	IMERSF16/5D400A3	68	IMDC/50/SC/L	85
IMDSUBF/37/S	87	IMERF16/12D125D2	68	IMERSF2/12D125D2	68	IMDC/60/H/L	85
IMDSUBF/37/SC	87	IMERF16/12D400A3	68	IMERSF2/12D400A3	68	IMDC/60/L1/L	85
IMDSUBF/50/H	87	IMERF16/24D125D2	68	IMERSF2/24D125D2	68	IMDC/60/S/L	85
IMDSUBF/50/L1	87	IMERF16/24D400A3	68	IMERSF2/24D400A3	68	IMDC/60/SC/L	85
IMDSUBF/50/S	87	IMERF16/5D125D2	68	IMERSF2/5D125D2	68	IMDC/64/H/L	85
IMDSUBF/50/SC	87	IMERF16/5D400A3	68	IMERSF2/5D400A3	68	IMDC/64/L1/L	85
IMDSUBF/9/H	87	IMERF2/12D125D2	68	IMERSF4/12D125D2	68	IMDC/64/S/L	85
IMDSUBF/9/L1	87	IMERF2/12D400A3	68	IMERSF4/12D400A3	68	IMDC/64/SC/L	85
IMDSUBF/9/S	87	IMERF2/24D125D2	68	IMERSF4/24D125D2	68	IMRC16/0.22/1k/2W	95
IMDSUBF/9/SC	87	IMERF2/24D400A3	68	IMERSF4/24D400A3	68	IMRC16/0.22/470	95
IMDSUBM/15/H	87	IMERF2/5D125D2	68	IMERSF4/5D125D2	68	IMRC16/0.22/470/2W	95
IMDSUBM/15/L1	87	IMERF2/5D400A3	68	IMERSF4/5D400A3	68	IMRC32/0.22/1k/2W	95
IMDSUBM/15/S	87	IMERF4/12D125D2	68	IMERSF8/12D125D2	68	IMRC32/0.22/470	95
IMDSUBM/15/SC	87	IMERF4/12D400A3	68	IMERSF8/12D400A3	68	IMRC32/0.22/470/2W	95
IMDSUBM/25/H	87	IMERF4/24D125D2	68	IMERSF8/24D125D2	68	IMRE/DI16/24/DM37	81
IMDSUBM/25/L1	87	IMERF4/24D400A3	68	IMERSF8/24D400A3	68	IMRE/DI32/24/DM37	83
IMDSUBM/25/S	87	IMERF4/5D125D2	68	IMERSF8/5D125D2	68	IMRE/DI32/24/DM37E	83
IMDSUBM/25/SC	87	IMERF4/5D400A3	68	IMERSF8/5D400A3	68	IMRE/DO16/24/DM37	81
IMDSUBM/37/H	87	IMERF8/12D125D2	68	IMF/16/S	93	IMRE1S1/110A/OM	58
IMDSUBM/37/L1	87	IMERF8/12D400A3	68	IMF/2/S	93	IMRE1S1/12/OM	58
IMDSUBM/37/S	87	IMERF8/24D125D2	68	IMF/4/S	93	IMRE1S1/230A/OM	58
IMDSUBM/37/SC	87	IMERF8/24D400A3	68	IMF/8/S	93	IMRE1S1/24/OM	58
IMDSUBM/50/H	87	IMERF8/5D125D2	68	IMFI/16/S/110	94	IMRE1S16/110A/OM	58
IMDSUBM/50/L1	87	IMERF8/5D400A3	68	IMFI/16/S/230	94	IMRE1S16/12/OM	58
IMDSUBM/50/S	87	IMERS1/12D125D2	61	IMFI/16/S/24	94	IMRE1S16/230A/OM	58
IMDSUBM/50/SC	87	IMERS1/12D400A3	61	IMFI/2/S/110	94	IMRE1S16/24/IDC20	75
IMDSUBM/9/H	87	IMERS1/24D125D2	61	IMFI/2/S/230	94	IMRE1S16/24/OM	58

Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.
IMRE1S16/CNCSSRx	79	IMRE1SS8/24A/OMRE	69	IMRE2SF4/24/OM	66	IMRE2SSF16/24/OM	66
IMRE1S16/E/SLC	77	IMRE1SSF1/110A/OM	64	IMRE2SF8/110A/OM	66	IMRE2SSF12/110A/OM	66
IMRE1S16/OM/CNC	79	IMRE1SSF1/12/OM	64	IMRE2SF8/12/OM	66	IMRE2SSF12/12/OM	66
IMRE1S16/PLC	76	IMRE1SSF1/230A/OM	64	IMRE2SF8/230A/OM	66	IMRE2SSF12/230A/OM	66
IMRE1S16/SLC	77	IMRE1SSF1/24/OM	64	IMRE2SF8/24/OM	66	IMRE2SSF12/24/OM	66
IMRE1SF1/110A/OM	64	IMRE1SSF16/110A/OM	64	IMRE2SF11/110A/OM	66	IMRE2SSF14/110A/OM	66
IMRE1SF1/12/OM	64	IMRE1SSF16/12/OM	64	IMRE2SF11/12/OM	66	IMRE2SSF14/12/OM	66
IMRE1SF1/230A/OM	64	IMRE1SSF16/230A/OM	64	IMRE2SF11/230A/OM	66	IMRE2SSF14/230A/OM	66
IMRE1SF1/24/OM	64	IMRE1SSF16/24/OM	64	IMRE2SF11/24/OM	66	IMRE2SSF14/24/OM	66
IMRE1SF16/110A/OM	64	IMRE1SSF16/CNCD24D	79	IMRE2SF16/110A/OM	66	IMRE2SSF18/110A/OM	66
IMRE1SF16/12/OM	64	IMRE1SSF16/OM/CNC	79	IMRE2SF16/12/OM	66	IMRE2SSF18/12/OM	66
IMRE1SF16/230A/OM	64	IMRE1SSF2/110A/OM	64	IMRE2SF16/230A/OM	66	IMRE2SSF18/230A/OM	66
IMRE1SF16/24/OM	64	IMRE1SSF2/12/OM	64	IMRE2SF16/24/OM	66	IMRE2SSF18/24/OM	66
IMRE1SF16/CNCD24D	79	IMRE1SSF2/230A/OM	64	IMRE2SF12/110A/OM	66	IMRE4SS1/110/OM	60
IMRE1SF16/OM/CNC	79	IMRE1SSF2/24/OM	64	IMRE2SF12/12/OM	66	IMRE4SS1/230A/OM	60
IMRE1SF2/110A/OM	64	IMRE1SSF4/110A/OM	64	IMRE2SF12/230A/OM	66	IMRE4SS1/24/OM	60
IMRE1SF2/12/OM	64	IMRE1SSF4/12/OM	64	IMRE2SF12/24/OM	66	IMRE4SS2/110/OM	60
IMRE1SF2/230A/OM	64	IMRE1SSF4/230A/OM	64	IMRE2SF14/110A/OM	66	IMRE4SS2/230A/OM	60
IMRE1SF2/24/OM	64	IMRE1SSF4/24/OM	64	IMRE2SF14/12/OM	66	IMRE4SS2/24/OM	60
IMRE1SF4/110A/OM	64	IMRE1SSF8/110A/OM	64	IMRE2SF14/230A/OM	66	IMRE4SS4/110/OM	60
IMRE1SF4/12/OM	64	IMRE1SSF8/12/OM	64	IMRE2SF14/24/OM	66	IMRE4SS4/230A/OM	60
IMRE1SF4/230A/OM	64	IMRE1SSF8/230A/OM	64	IMRE2SF18/110A/OM	66	IMRE4SS4/24/OM	60
IMRE1SF4/24/OM	64	IMRE1SSF8/24/OM	64	IMRE2SF18/12/OM	66	IMRE4SS8/110/OM	60
IMRE1SF8/110A/OM	64	IMRE1SSF11/110A/OM/X	64	IMRE2SF18/230A/OM	66	IMRE4SS8/230A/OM	60
IMRE1SF8/12/OM	64	IMRE1SSF11/12/OM/X	64	IMRE2SF18/24/OM	66	IMRE4SS8/24/OM	60
IMRE1SF8/230A/OM	64	IMRE1SSF11/230A/OM/X	64	IMRE2SS1/110A/OM	59	IMREF1S1/110A/OM	64
IMRE1SF8/24/OM	64	IMRE1SSF11/24/OM/X	64	IMRE2SS1/12/OM	59	IMREF1S1/12/OM	64
IMRE1SFI1/110A/OM/X	64	IMRE1SSF16/110A/OM/X	64	IMRE2SS1/230A/OM	59	IMREF1S1/230A/OM	64
IMRE1SFI1/12/OM/X	64	IMRE1SSF16/12/OM/X	64	IMRE2SS1/24/OM	59	IMREF1S1/24/OM	64
IMRE1SFI1/230A/OM/X	64	IMRE1SSF16/230A/OM/X	64	IMRE2SS1/24A/OMRE	70	IMREF1S16/110A/OM	64
IMRE1SFI1/24/OM/X	64	IMRE1SSF16/24/OM/X	64	IMRE2SS16/110A/OM	59	IMREF1S16/12/OM	64
IMRE1SFI16/110A/OM/X	64	IMRE1SSF12/110A/OM/X	64	IMRE2SS16/12/OM	59	IMREF1S16/230A/OM	64
IMRE1SFI16/12/OM/X	64	IMRE1SSF12/12/OM/X	64	IMRE2SS16/230A/OM	59	IMREF1S16/24/OM	64
IMRE1SFI16/230A/OM/X	64	IMRE1SSF12/230A/OM/X	64	IMRE2SS16/24/DM37	73	IMREF1S2/110A/OM	64
IMRE1SFI16/24/OM/X	64	IMRE1SSF12/24/OM/X	64	IMRE2SS16/24/OM	59	IMREF1S2/12/OM	64
IMRE1SFI2/110A/OM/X	64	IMRE1SSF14/110A/OM/X	64	IMRE2SS16/24A/OMRE	70	IMREF1S2/230A/OM	64
IMRE1SFI2/12/OM/X	64	IMRE1SSF14/12/OM/X	64	IMRE2SS2/24A/OMRE	70	IMREF1S2/24/OM	64
IMRE1SFI2/230A/OM/X	64	IMRE1SSF14/230A/OM/X	64	IMRE2SS4/24A/OMRE	70	IMREF1S4/110A/OM	64
IMRE1SFI2/24/OM/X	64	IMRE1SSF14/24/OM/X	64	IMRE2SS8/24A/OMRE	70	IMREF1S4/12/OM	64
IMRE1SFI4/110A/OM/X	64	IMRE1SSF18/110A/OM/X	64	IMRE2SSF1/110A/OM	66	IMREF1S4/230A/OM	64
IMRE1SFI4/12/OM/X	64	IMRE1SSF18/12/OM/X	64	IMRE2SSF1/12/OM	66	IMREF1S4/24/OM	64
IMRE1SFI4/230A/OM/X	64	IMRE1SSF18/230A/OM/X	64	IMRE2SSF1/230A/OM	66	IMREF1S8/110A/OM	64
IMRE1SFI4/24/OM/X	64	IMRE1SSF18/24/OM/X	64	IMRE2SSF1/24/OM	66	IMREF1S8/12/OM	64
IMRE1SFI8/110A/OM/X	64	IMRE2S1/110A/OM	59	IMRE2SSF16/110A/OM	66	IMREF1S8/230A/OM	64
IMRE1SFI8/12/OM/X	64	IMRE2S1/12/OM	59	IMRE2SSF16/12/OM	66	IMREF1S8/24/OM	64
IMRE1SFI8/230A/OM/X	64	IMRE2S1/230A/OM	59	IMRE2SSF16/230A/OM	66	IMREF1SS1/110A/OM	64
IMRE1SFI8/24/OM/X	64	IMRE2S1/24/OM	59	IMRE2SSF16/24/OM	66	IMREF1SS1/12/OM	64
IMRE1SS1/110A/OM	58	IMRE2S16/110A/OM	59	IMRE2SSF2/110A/OM	66	IMREF1SS1/230A/OM	64
IMRE1SS1/12/OM	58	IMRE2S16/12/OM	59	IMRE2SSF2/12/OM	66	IMREF1SS1/24/OM	64
IMRE1SS1/230A/OM	58	IMRE2S16/230A/OM	59	IMRE2SSF2/230A/OM	66	IMREF1SS16/110A/OM	64
IMRE1SS1/24/OM	58	IMRE2S16/24/OM	59	IMRE2SSF2/24/OM	66	IMREF1SS16/12/OM	64
IMRE1SS1/24A/OMRE	69	IMRE2SF1/110A/OM	66	IMRE2SSF4/110A/OM	66	IMREF1SS16/230A/OM	64
IMRE1SS16/110A/OM	58	IMRE2SF1/12/OM	66	IMRE2SSF4/12/OM	66	IMREF1SS16/24/OM	64
IMRE1SS16/12/OM	58	IMRE2SF1/230A/OM	66	IMRE2SSF4/230A/OM	66	IMREF1SS2/110A/OM	64
IMRE1SS16/230A/OM	58	IMRE2SF1/24/OM	66	IMRE2SSF4/24/OM	66	IMREF1SS2/12/OM	64
IMRE1SS16/24/DM37	71	IMRE2SF16/110A/OM	66	IMRE2SSF8/110A/OM	66	IMREF1SS2/230A/OM	64
IMRE1SS16/24/IDC20	75	IMRE2SF16/12/OM	66	IMRE2SSF8/12/OM	66	IMREF1SS2/24/OM	64
IMRE1SS16/24/OM	58	IMRE2SF16/230A/OM	66	IMRE2SSF8/230A/OM	66	IMREF1SS4/110A/OM	64
IMRE1SS16/24A/OMRE	69	IMRE2SF16/24/OM	66	IMRE2SSF8/24/OM	66	IMREF1SS4/12/OM	64
IMRE1SS16/CNCSSRx	79	IMRE2SF2/110A/OM	66	IMRE2SSF11/110A/OM	66	IMREF1SS4/230A/OM	64
IMRE1SS16/E/SLC	77	IMRE2SF2/12/OM	66	IMRE2SSF11/12/OM	66	IMREF1SS4/24/OM	64
IMRE1SS16/OM/CNC	79	IMRE2SF2/230A/OM	66	IMRE2SSF11/230A/OM	66	IMREF1SS8/110A/OM	64
IMRE1SS16/PLC	76	IMRE2SF2/24/OM	66	IMRE2SSF11/24/OM	66	IMREF1SS8/12/OM	64
IMRE1SS16/SLC	77	IMRE2SF4/110A/OM	66	IMRE2SSF16/110A/OM	66	IMREF1SS8/230A/OM	64
IMRE1SS2/24A/OMRE	69	IMRE2SF4/12/OM	66	IMRE2SSF16/12/OM	66	IMREF1SS8/24/OM	64
IMRE1SS4/24A/OMRE	69	IMRE2SF4/230A/OM	66	IMRE2SSF16/230A/OM	66	IMREF2S1/110A/OM	66

Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.	Cat. No.	Pg. No.
IMREF2S1/12/OM	66	JX4/2	42				
IMREF2S1/230A/OM	66	JX4/2	46				
IMREF2S1/24/OM	66	JX4/3	42				
IMREF2S16/110A/OM	66	JX4/3	46				
IMREF2S16/12/OM	66	JX4/4	42				
IMREF2S16/230A/OM	66	JX4/4	46				
IMREF2S16/24/OM	66	JX4/5	42				
IMREF2S2/110A/OM	66	JX4/5	46				
IMREF2S2/12/OM	66	JX4/8	42				
IMREF2S2/230A/OM	66	JX4/8	46				
IMREF2S2/24/OM	66	MC12	44				
IMREF2S4/110A/OM	66	MC12WP	44				
IMREF2S4/12/OM	66	MC6	42				
IMREF2S4/230A/OM	66	MC6	46				
IMREF2S4/24/OM	66	MC6WP	42				
IMREF2S8/110A/OM	66	MC6WP	46				
IMREF2S8/12/OM	66	MFMT108G	123				
IMREF2S8/230A/OM	66	MFMT108GN	123				
IMREF2S8/24/OM	66	MFMT73G	123				
IMREF2SS1/110A/OM	66	MFMT73GN	123				
IMREF2SS1/12/OM	66	MT - CRM2CO	8				
IMREF2SS1/230A/OM	66	MT - CRM4CO	12				
IMREF2SS1/24/OM	66	MT108G/1	123				
IMREF2SS16/110A/OM	66	MT108G/2	123				
IMREF2SS16/12/OM	66	MT108GN/1	123				
IMREF2SS16/230A/OM	66	MT108GN/2	123				
IMREF2SS16/24/OM	66	MT73G/1	123				
IMREF2SS2/110A/OM	66	MT73G/2	123				
IMREF2SS2/12/OM	66	MT73GN/1	123				
IMREF2SS2/230A/OM	66	MT73GN/2	123				
IMREF2SS2/24/OM	66	SCS0.5/3AC	8				
IMREF2SS4/110A/OM	66	SRL1-12D	41				
IMREF2SS4/12/OM	66	SRL1-24D	41				
IMREF2SS4/230A/OM	66	SRL1-60D	41				
IMREF2SS4/24/OM	66						
IMREF2SS8/110A/OM	66						
IMREF2SS8/12/OM	66						
IMREF2SS8/230A/OM	66						
IMREF2SS8/24/OM	66						
IMRJ45/8/V/6	89						
IMSR1SS8/24/N/SC	57						
IMV/14/R/130	96						
IMV/14/R/275	96						
IMV/14/R/50	96						
IMV/3/S/130	96						
IMV/3/S/275	96						
IMV/3/S/50	96						
IMV/5/R/130	96						
IMV/5/R/275	96						
IMV/5/R/50	96						
IMV/8/S/130	96						
IMV/8/S/275	96						
IMV/8/S/50	96						
IMV/9/R/130	96						
IMV/9/R/275	96						
IMV/9/R/50	96						
JX1.5/14/2	44						
JX1.5/14/3	44						
JX1.5/14/4	44						
JX1.5/7/4	44						
JX1.5/7/6	44						
JX1.5/7/8	44						
JX4/10	42						
JX4/10	46						
JX4/16	42						
JX4/16	46						

Note: The product information is carefully compiled and is accurate for most of the application. New findings in materials and process technology necessitate modification of the products. We reserve the right to change / modify the product without intimation. However the changes that take place without notice in no way reduce function or performance of the product.

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