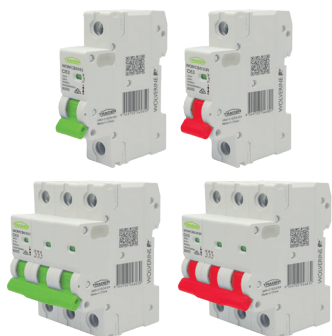


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WOMCB6363
WOMCB6363R



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WOLVERINE MCB Series



Overview:

Wolverine Miniature Circuit Breakers (WOMCB series) offer fast and flexible installation and safety for circuit protection applications in domestic and commercial environments. Being fully certified in accordance with standard AS/ NZS and IEC 60898-1 for the application for household installations and for similar purposes.

They provide fast and flexible installation with easy-to-use terminals, din assembly and U-style busbar suitability. The Wolverine MCBs are available in C curve tripping characteristic and ideal for applications for the protection of resistive and inductive loads with low inrush current is suitable for protecting distribution lines, lighting lines and motor circuits with high connecting currents, equipment in office and residential buildings.

63Amp models marked with the R in the catalogue number have been configured for MCB/Main Switch applications and are available in 1 pole and 3 pole.

Catalogue Number	Description
WOMCB6102	MCB Miniature Circuit Breaker 6kA 1 Pole 2 Amp C Curve 230V 240V ac 1 Module
WOMCB6106	MCB Miniature Circuit Breaker 6kA 1 Pole 6 Amp C Curve 230V 240V ac 1 Module
WOMCB6110	MCB Miniature Circuit Breaker 6kA 1 Pole 10 Amp C Curve 230V 240V ac 1 Module
WOMCB6116	MCB Miniature Circuit Breaker 6kA 1 Pole 16 Amp C Curve 230V 240V ac 1 Module
WOMCB6120	MCB Miniature Circuit Breaker 6kA 1 Pole 20 Amp C Curve 230V 240V ac 1 Module
WOMCB6125	MCB Miniature Circuit Breaker 6kA 1 Pole 25 Amp C Curve 230V 240V ac 1 Module
WOMCB6132	MCB Miniature Circuit Breaker 6kA 1 Pole 32 Amp C Curve 230V 240V ac 1 Module
WOMCB6132R	MCB Miniature Circuit Breaker 6kA 1 Pole 32 Amp C Curve 230V 240V ac 1 Module Main Switch Suitable
WOMCB6140	MCB Miniature Circuit Breaker 6kA 1 Pole 32 Amp C Curve 230V 240V ac 1 Module Main Switch Suitable
WOMCB6140R	MCB Miniature Circuit Breaker 6kA 1 Pole 40 Amp C Curve 230V 240V ac 1 Module Main Switch Suitable
WOMCB6150	MCB Miniature Circuit Breaker 6kA 1 Pole 50 Amp C Curve 230V 240V ac 1 Module
WOMCB6150R	MCB Miniature Circuit Breaker 6kA 1 Pole 50 Amp C Curve 230V 240V ac 1 Module Main Switch Suitable
WOMCB6163	MCB Miniature Circuit Breaker 6kA 1 Pole 63 Amp C Curve 230V 240V ac 1 Module
WOMCB6163R	MCB Miniature Circuit Breaker 6kA 1 Pole 63 Amp C Curve 230V 240V ac 1 Module Main Switch Suitable
WOMCB6310	MCB Miniature Circuit Breaker 6kA 3 Pole 10 Amp C Curve 400V 415V ac 3 Module
WOMCB6316	MCB Miniature Circuit Breaker 6kA 3 Pole 16 Amp C Curve 400V 415V ac 3 Module
WOMCB6320	MCB Miniature Circuit Breaker 6kA 3 Pole 20 Amp C Curve 400V 415V ac 3 Module
WOMCB6325	MCB Miniature Circuit Breaker 6kA 3 Pole 25 Amp C Curve 400V 415V ac 3 Module
WOMCB6332	MCB Miniature Circuit Breaker 6kA 3 Pole 32 Amp C Curve 400V 415V ac 3 Module
WOMCB6332R	MCB Miniature Circuit Breaker 6kA 3 Pole 32 Amp C Curve 400V 415V ac 3 Module Main Switch Suitable
WOMCB6340	MCB Miniature Circuit Breaker 6kA 3 Pole 40 Amp C Curve 400V 415V ac 3 Module
WOMCB6340R	MCB Miniature Circuit Breaker 6kA 3 Pole 40 Amp C Curve 400V 415V ac 3 Module Main Switch Suitable
WOMCB6350	MCB Miniature Circuit Breaker 6kA 3 Pole 50 Amp C Curve 400V 415V ac 3 Module
WOMCB6350R	MCB Miniature Circuit Breaker 6kA 3 Pole 50 Amp C Curve 400V 415V ac 3 Module Main Switch Suitable
WOMCB6363	MCB Miniature Circuit Breaker 6kA 3 Pole 63 Amp C Curve 400V 415V ac 3 Module
WOMCB6363R	MCB Miniature Circuit Breaker 6kA 3 Pole 63 Amp C Curve 400V 415V ac 3 Module Main Switch Suitable

Standard Number:

AS/NZS 60898.1

Certification Number:

GMA-515234-EA

GSM Electrical (Australia) Pty Ltd

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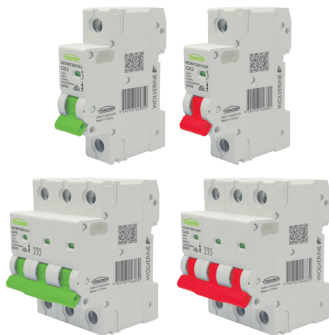
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Data Specification Sheet
January 2024

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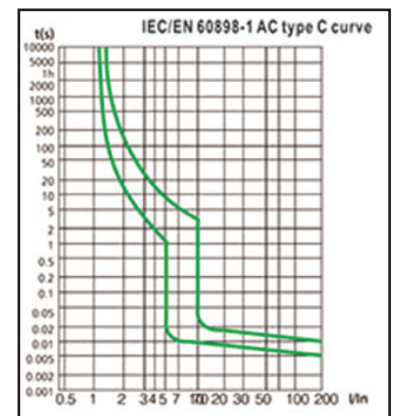
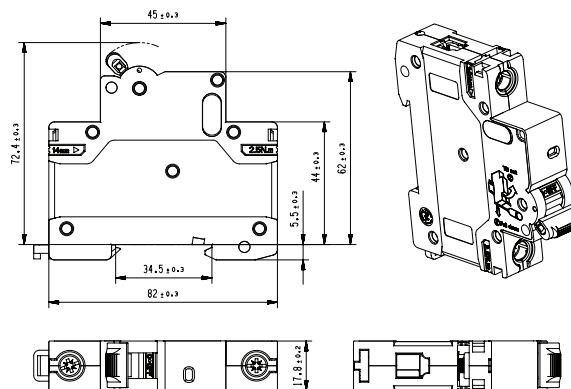


WOLVERINE MCB Series

Electrical Features	Rated current	2A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
	Rated Operational Voltage	230V 240V ~ (1P), 400V 415V ~ (3P)
	Number of Poles	1P or 3P
	Type Of Current	AC ONLY
	Thermo- Magnetic Release Characteristic	C Curve
	Breaking capacity	6kA
	Rated Insulation Voltage	500V
	Rated Impulse Withstand Voltage	4kV
	Standard	AS/NZS 60898-1
	Approval certificate number	GMA-515234-EA
Mechanical Features	Energy Limiting Class 3	6000J3
	Use Ambient Temperature Range	30 to +70 Celcius
	Protection Degree	IP20
	Humidity	+25°C≤95%
Installation	Terminal Size Top/Bottom For Cable	25mm ²
	Maximum Tightening Torque	2.5 Nm
	Recommended tightening torque for terminals	1.5 Nm
	Number Of Positions of The Main Contacts	2
	Module width	18 & 54
	Connection	From top or bottom are available
	Application	Short-circuit & Overload
	Contact Indicator	Green=off, Red=ON
	Current Range	Up to 63A
	Mounting	On DIN rail EN 60715 (35mm) by means of fast clip device
	Terminal Connection	Cable/U-Type Busbar/Pin-Type Busbar
	Handle Lockable	In On/Off Position

Applications:

- Used in domestic installations, as well commercial electrical distribution systems.
- Protection of circuits against short-circuit currents Protection of circuits against overload currents.
- Isolation Switch suitability (variants with red toggles denoted with R at the end).



Standard Number:

AS/NZS 60898.1

Certification Number:

GMA-515234-EA

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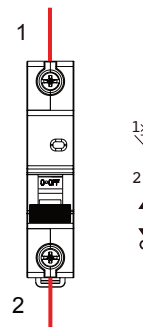
Data Specification Sheet
January 2024

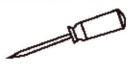
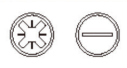
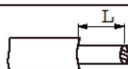
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WOMCB6325
WOMCB6332
WOMCB6332R
WOMCB6340
WOMCB6340R
WOMCB6350
WOMCB6350R
WOMCB6363
WOMCB6363R

WOLVERINE MCB Series

Installation Instruction

This product **MUST** be installed by a licensed electrician.
Line and Load can be top or bottom.
To avoid damage to MCB disconnect before insulation testing
Connect the Neutral cable before the Line active cable.

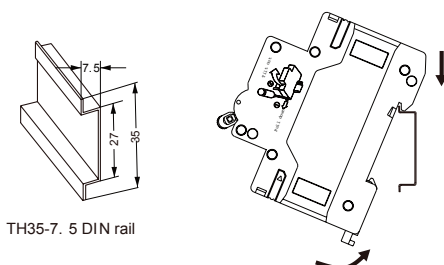


	
	L: 14mm S: (1-25)mm ²
	Recommended 1.5Nm

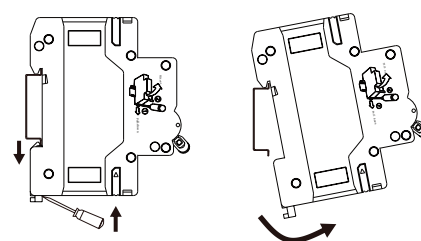
Applications:

- Used in domestic installations, as well commercial electrical distribution systems
- Protection of circuits against short-circuit currents
- Protection of circuits against overload currents
- Solation Switch suitability (variants with red toggles denoted with R at the end)

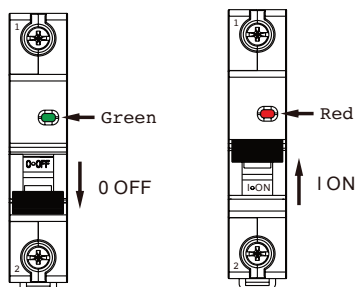
Mounting



Dismounting



Status Indication



WARNING: If MCB trips it maybe caused by either, overload, short circuit or earth leakage.
The installation should be checked before resetting MCB.

Standard Number:

AS/NZS 60898.1

Certification Number:

GMA-515234-EA

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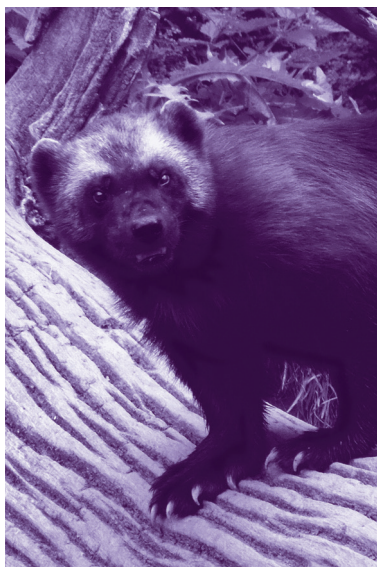


Data Specification Sheet
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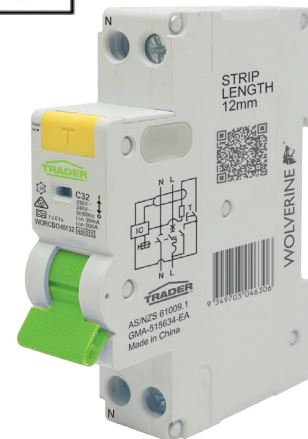
WOLVERINE RCBO SERIES

TYPE A RCBO 4.5kA and 6kA



Overview:

Wolverine Din Rail mounted RCBOs (WORCBO series) offer fast and flexible installation for safety of personal and equipment protection applications in domestic and small commercial environments as well as circuit protection up to 6kA. Being fully certified in accordance with standard AS/NZS 61009-1 and IEC 61009-1 (Residual current circuit breakers for household and similar purposes). Providing protection against short circuit, overcurrent situations and earth faults that may occur in equipment as well as reduce the effects of electric shock and save lives by cutting off supply if they have measured an imbalance between the live and neutral cables above the sensitivity level where current flowing in the live and neutral cables becomes imbalanced from current flowing to earth.



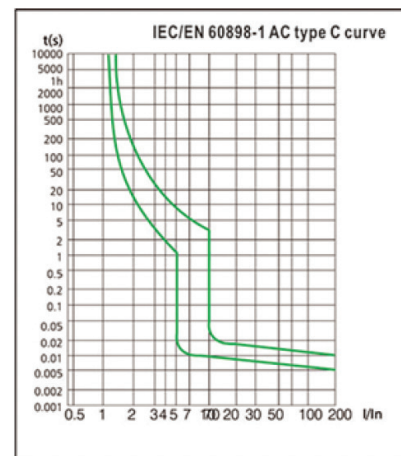
They provide fast and flexible installation with easy-to-use terminals, din assembly and tongue style busbar suitability. The Wolverine RCBO's are available in C curve tripping characteristic and ideal for applications for protection of resistive and inductive loads with low inrush current is suitable for protecting distribution lines, lighting lines and motor circuits with high connecting current, equipment in office and residential buildings. Available in single module with non-directional orientation input (either input Line/Neutral from top terminals or from the bottom) for easy flexible installations.

The Wolverine RCBOs are available in type A sensing characteristic only and ideal for applications for protection of general everyday use and available in 30mA operating current. Type A RCBO's are sensitive to both sinusoidal currents and "unidirectional pulsed" currents, which may be present in modern electrical systems with electronic devices for rectifying the current or similar equipment.

They are ideal for protection in applications for electronic components, inverters, class 1 IT & multimedia equipment, power supplies for class 2 equipment, lighting controls, induction hobs and washing machines.

Features:

- Earth leakage protection
- Overload and short circuit protection
- Non-Line / Load sensitive allows the electricians to either "input from the top and output from the bottom" or "input from the bottom and output from the top" without issue and this provides greater versatility and ease of installation
- Compact SLIM module design, allows for more RCDs/MCBs to be installed in the one enclosure
- True Double Pole Disconnection in a Single Module RCBO
- Double pole switching for complete isolation of faulty circuits
- Neutral pole switching significantly reduces the installation and insulated openings for easy busbar installations
- Compatible with multiple types of screwdrivers with combination head screws
- Meets ESV Additional Testing & verification requirements for RCBOs
- Complies with AS/NZS 61009-1



Standard Number:

AS/NZS 61009-1

Certification Number:

GMA-515235-EA

GSM Electrical (Australia) Pty Ltd

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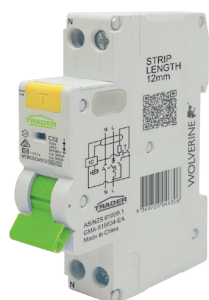
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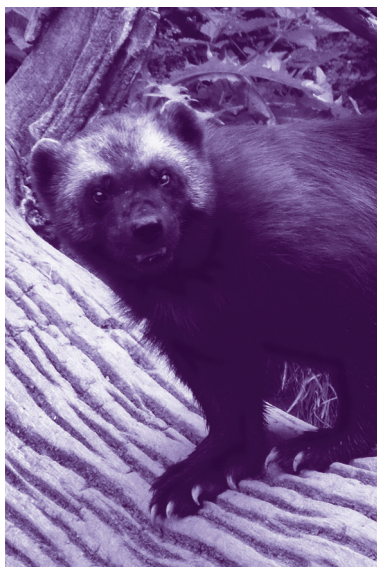


Data Specification Sheet
January 2024

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WOLVERINE RCBO SERIES

TYPE A RCBO 4.5kA and 6kA



Specifications:

Electrical Features	Type	Electronic
	Current Rating	6A, 10A, 16A, 20A, 25A, 32A
	Rated Voltage	230V, 240V
	Number of Poles	1P+N
	Type (wave form of the earth leakage sensed)	A-Type
	Thermo- magnetic Release Characteristic	C curve
	Rated Sensitivity I _n	30mA
	Breaking Capacity	4.5kA, 6kA
	Rated Frequency	50/60Hz
	Rated impulse withstand voltage (U _{imp})	4kV
	Standard	IEC 61009-1, AS/NZS61009.1
Mechanical Features	Pollution Degree	2
	Ambient Temperature	-21°C+40°C
	Protection Degree	IP20
	Electrical Life	2,000 times
	Mechanical Life	2,000 times
	Contact Position Indicator	Green=OFF, Red=ON
	Terminal Connection Type	Cable/Pin-type busbar
	Terminal Size Top/Bottom For Busbar	10mm ²
Installation	Grid distance up to and including 1500A	35mm
	Grid Distance above 1500A	100mm
	Terminal Size Top/Bottom For Cable	10mm ²
	Maximum Tightening Torque	2.0Nm
	Recommended tightening torque for terminals	1.5 Nm
	Mounting	On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection	From top or bottom are available (bi directional)

Catalogue Number	Description
WORCBO45110	RCBO Residual Current Breaker with Overcurrent Protection 4.5kA 1 Pole 10A 230 240V 30mA Type A 1 Module
WORCBO45116	RCBO Residual Current Breaker with Overcurrent Protection 4.5kA 1 Pole 16A 230 240V 30mA Type A 1 Module
WORCBO45120	RCBO Residual Current Breaker with Overcurrent Protection 4.5kA 1 Pole 20A 230 240V 30mA Type A 1 Module
WORCBO45125	RCBO Residual Current Breaker with Overcurrent Protection 4.5kA 1 Pole 25A 230 240V 30mA Type A 1 Module
WORCBO45132	RCBO Residual Current Breaker with Overcurrent Protection 4.5kA 1 Pole 32A 230 240V 30mA Type A 1 Module
WORCBO6106	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 6A 230 240V ac 30mA Type A 1 Module
WORCBO6110	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 10A 230 240V 30mA Type A 1 Module
WORCBO6116	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 16A 230 240V 30mA Type A 1 Module
WORCBO6120	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 20A 230 240V 30mA Type A 1 Module
WORCBO6125	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 25A 230 240V 30mA Type A 1 Module
WORCBO6132	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 32A 230 240V 30mA Type A 1 Module

The product is listed on the Energy Safe Victoria website for approved RCBO usage in Victoria.

Standard Number:

AS/NZS 61009-1

Certification Number:

GMA-515235-EA

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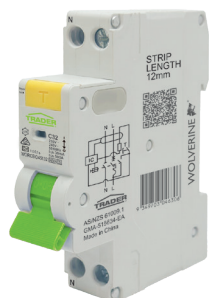
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WOLVERINE RCBO SERIES TYPE A RCBO 4.5kA and 6kA

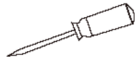
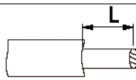


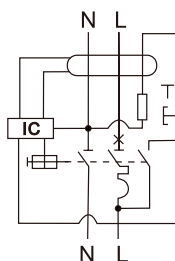
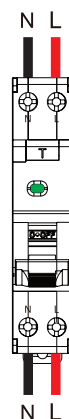
Installation Instruction

This product **MUST** be installed by a licensed electrician.

Line and Load can be top or bottom.

To avoid damage to RCD disconnect before insulation testing Connect the Neutral cable before the Line active cable.

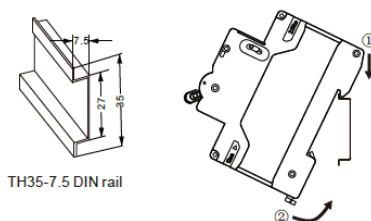
	
	L: 12mm S: (1-10)mm²
	Recommended 1.5Nm



Applications:

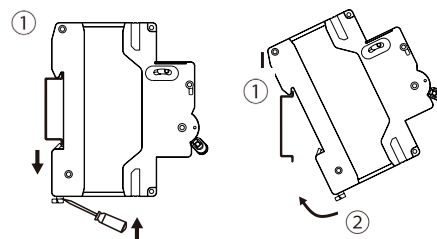
- Used in domestic installations, as well commercial electrical distribution systems
- Protection of circuits against short-circuit currents
- Protection of circuits against overload currents

Mounting

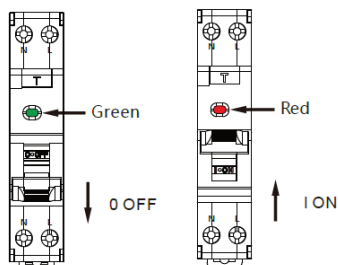


TH35-7.5 DIN rail

Dismounting



Status Indication



Standard Number:

AS/NZS61009-1

Certification Number:

GMA-515235-EA

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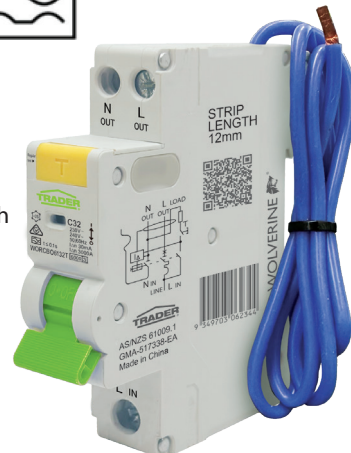
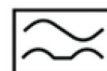
Data Specification Sheet
January 2024

WORCBO6106T
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WORCBO6116T
WORCBO6120T
WORCBO6125T
WORCBO6132T

WOLVERINE RCBO WITH NEUTRAL TAIL SERIES TYPE A RCBO 6kA

Overview:

Wolverine Din Rail mounted RCBOs (WORCBO series) offer fast and flexible installation for safety of personal and equipment protection applications in domestic and small commercial environments as well as circuit protection up to 6kA. Being fully certified in accordance with standard AS/NZS 61009-1 and IEC 61009-1 (Residual current circuit breakers for household and similar purposes). Providing protection against short circuit, overcurrent situations and earth faults that may occur in equipment as well as reduce the effects of electric shock and save lives by cutting off supply if they have measured an imbalance between the live and neutral cables above the sensitivity level where current flowing in the live and neutral cables becomes imbalanced from current flowing to earth.



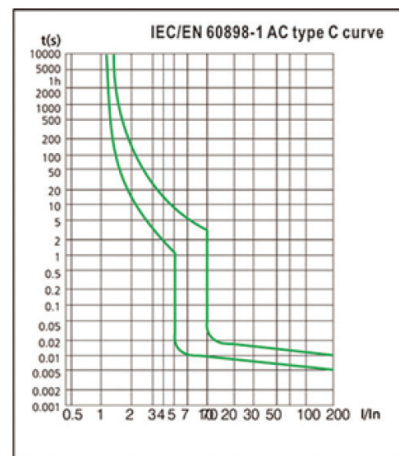
They provide fast and flexible installation with easy-to-use terminals, din assembly and tongue style busbar suitability. The Wolverine RCBO's are available in C curve tripping characteristic and ideal for applications for protection of resistive and inductive loads with low inrush current is suitable for protecting distribution lines, lighting lines and motor circuits with high connecting current, equipment in office and residential buildings. Available in single module with non-directional orientation input (either input Line/Neutral from top terminals or from the bottom) for easy flexible installations.

The Wolverine RCBOs are available in type A sensing characteristic only and ideal for applications for protection of general everyday use and available in 30mA operating current. Type A RCBO's are sensitive to both sinusoidal currents and "unidirectional pulsed" currents, which may be present in modern electrical systems with electronic devices for rectifying the current or similar equipment.

They are ideal for protection in applications for electronic components, inverters, class 1 IT & multimedia equipment, power supplies for class 2 equipment, lighting controls, induction hobs and washing machines.

Features:

- Earth leakage protection
- Overload and short circuit protection
- Non-Line / Load sensitive allows the electricians to either "input from the top and output from the bottom" or "input from the bottom and output from the top" without issue and this provides greater versatility and ease of installation
- Compact SLIM module design, allows for more RCDs/MCBs to be installed in the one enclosure
- True Double Pole Disconnection in a Single Module RCBO
- Double pole switching for complete isolation of faulty circuits
- Neutral pole switching significantly reduces the installation and insulated openings for easy busbar installations
- Compatible with multiple types of screwdrivers with combination head screws
- Meets ESV Additional Testing & verification requirements for RCBOs
- Complies with AS/NZS 61009-1



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Standard Number:

AS/NZS 61009-1

Certification Number:

GMA-517338-EA

GSM Electrical (Australia) Pty Ltd

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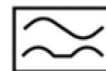
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January 2024

WORCBO6106T
WORCBO6110T
WORCBO6116T
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WORCBO6125T
WORCBO6132T



WOLVERINE RCBO WITH NEUTRAL TAIL SERIES

TYPE A RCBO 6kA



Specifications:

Electrical Features	Type	Electronic
	Current Rating	6A, 10A, 16A, 20A, 25A, 32A
	Rated Voltage	230V, 240V
	Number of Poles	1P+N
	Type (wave form of the earth leakage sensed)	A-Type
	Thermo- magnetic Release Characteristic	C curve
	Rated Sensitivity I _n	30mA
	Breaking Capacity	4.5kA, 6kA
	Rated Frequency	50/60Hz
	Rated impulse withstand voltage (Uimp)	4kV
	Standard	IEC 61009-1, AS/NZS61009.1
Mechanical Features	Pollution Degree	2
	Ambient Temperature	-21°C+40°C
	Protection Degree	IP20
	Electrical Life	2,000 times
	Mechanical Life	2,000 times
	Contact Position Indicator	Green=OFF, Red=ON
	Terminal Connection Type	Cable/Pin-type busbar
Installation	Terminal Size Top/Bottom For Busbar	10mm ²
	Grid distance up to and including 1500A	35mm
	Grid Distance above 1500A	100mm
	Terminal Size Top/Bottom For Cable	10mm ²
	Maximum Tightening Torque	2.0Nm
	Recommended tightening torque for terminals	1.5 Nm
	Mounting	On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection	From top or bottom are available (bi directional)

Page 2 of 3



Catalogue Number	Description
WORCBO6106T	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 6A 230 240V ac 30mA Type A 1 Module with Neutral Tail
WORCBO6110T	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 10A 230 240V ac 30mA Type A 1 Module with Neutral Tail
WORCBO6116T	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 16A 230 240V ac 30mA Type A 1 Module with Neutral Tail
WORCBO6120T	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 20A 230 240V ac 30mA Type A 1 Module with Neutral Tail
WORCBO6125T	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 25A 230 240V ac 30mA Type A 1 Module with Neutral Tail
WORCBO6132T	RCBO Residual Current Breaker with Overcurrent Protection 6kA 1 Pole 32A 230 240V ac 30mA Type A 1 Module with Neutral Tail

The product is listed on the Energy Safe Victoria website for approved RCBO usage in Victoria.

Standard Number:

AS/NZS 61009-1

Certification Number:

GMA-517338-EA

GSM Electrical (Australia) Pty Ltd

Level 2, 142-144 Fullarton Road, Rose Park SA 5067

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Data Specification Sheet
January 2024

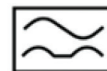
WORCBO6106T
WORCBO6110T
WORCBO6116T
WORCBO6120T
WORCBO6125T
WORCBO6132T



Page 3 of 3



WOLVERINE RCBO WITH NEUTRAL TAIL SERIES TYPE A RCBO 6kA

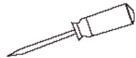
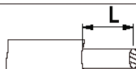


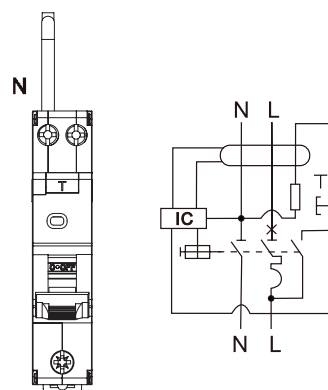
Installation Instruction

This product **MUST** be installed by a licensed electrician.

Line and Load can be top or bottom.

To avoid damage to RCD disconnect before insulation testing Connect the Neutral cable before the Line active cable.

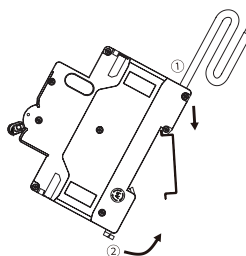
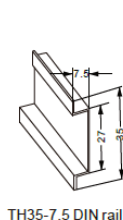
	
	L: 12mm S: (1-10)mm²
	Recommended 1.5Nm



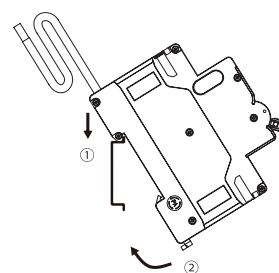
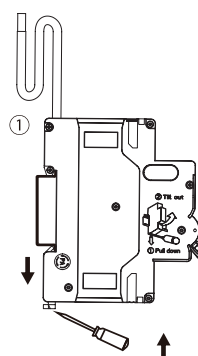
Applications:

- Used in domestic installations, as well commercial electrical distribution systems
- Protection of circuits against short-circuit currents
- Protection of circuits against overload currents

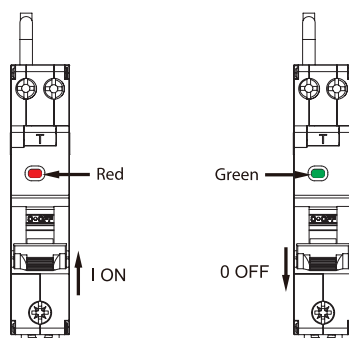
Mounting



Dismounting



Status Indication



Standard Number:

AS/NZS61009-1

Certification Number:

GMA-517338-EA

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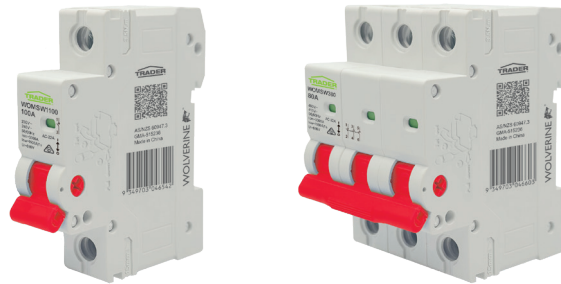
www.gsme.com.au



Data Specification Sheet
January 2024

WOMSW180
WOMSW1100
WOMSW2100
WOMSW380
WOMSW3100

WOLVERINE Main Switch Series



Overview:

Wolverine Din Rail mounted Main Switch Isolators (WOMSW series) offer fast and flexible installation and is suitable for residential and light commercial applications. Offering reliable performance for board configurations suited up to 100A and utilizing red switch toggles for easy identification along with the green/red indication of internal contact positions.

Perfect for applications where isolation is required either in the main or in local sub boards the WOMSW are only switches and do not operate to provide additional circuit protection, other models in Wolverine range offer this application.

Specifications

Electrical Features	Rated Operational Current Ie	80A, 100A
	Rated Uninterrupted Current Iu	80A, 100A
	Conventional Free Air Thermal Current Ith	80A, 100A
	Rated Operational Voltage Ue	230 Or 240V~(1P), 400 Or 415V~(3P)
	Number of Poles	1P, 2P or 3P
	Type Of Current	AC
	Rated Insulation Voltage Ui	690V
	Utilization Category	AC-22A
	Rated Short-Time Withstand Current Icw	1500A/1s
	Rated Short-Time Making Capacity	3000A
	Rated Frequency	50/60Hz
	Rated Impulse Withstand Voltage Uimp	6kV
	Rated Duty	Uninterrupted
Mechanical Features	Standard	AS 60947-3:2018
	Approval certificate number	GMA-515236
	Pollution Degree	3
	Ambient Temperature	-50c Degrees To +40oc
	Protection Degree	IP20
	Humidity	Should Not Exceed 50% At 40oc
	Method Of Operation	Independent Manual Operation
Installation	Terminal Size Top/Bottom For Busbar	50mm ² Max
	Terminal Size Top/Bottom For Cable	25mm ²
	Maximum Tightening Torque	3.5 N*m
	Recommended tightening torque for terminals	1.5 N*m
	Number Of Positions of The Main Contacts	2
	Module width	18 & 54
	Connection	From top or bottom are available
	Switching Type	Suitable For Isolation

Standard Number:

AS 60947.3

Certification Number:

GMA-515236

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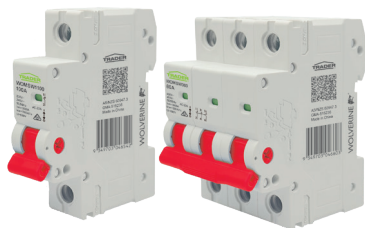
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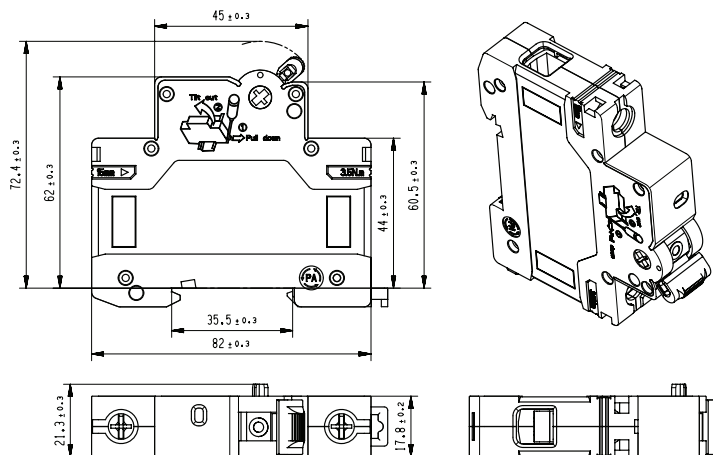
Data Specification Sheet
January 2024



WOMSW180
WOMSW1100
WOMSW2100
WOMSW380
WOMSW3100



WOLVERINE Main Switch Series



Installation Instruction

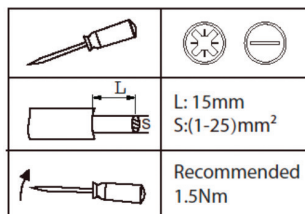
This product **MUST** be installed by a licensed electrician.

Line and Load can be top or bottom.

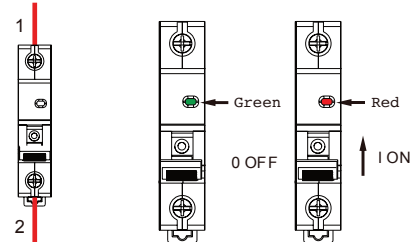
To avoid damage to Main Switch disconnect before insulation testing Connect the Neutral cable before the Line active cable.

- Used in domestic installations, as well commercial electrical distribution systems.

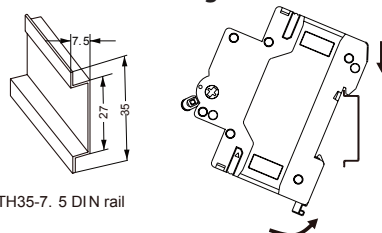
Wiring



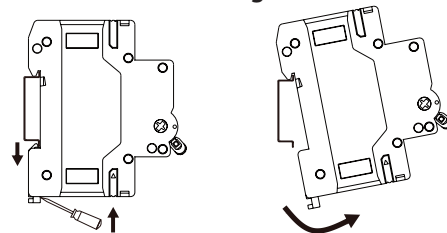
Status Indication



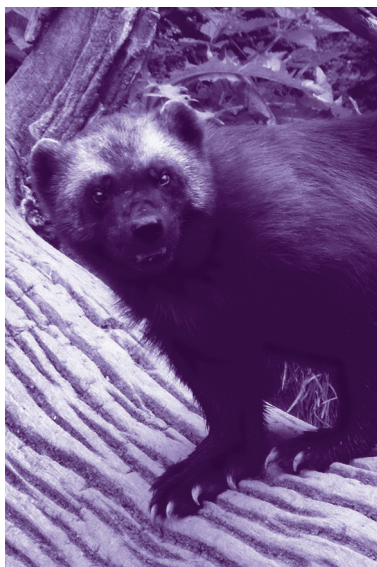
Mounting



Dismounting



Page 2 of 2



Catalogue Number	Description
WOMSW180	Main Switch 1 Pole 80A 230V 240V 1 Module
WOMSW1100	Main Switch 1 Pole 100A 230V 240V 1 Module
WOMSW2100	Main Switch 2 Pole 100A 400V 415V ac 2 Module
WOMSW380	Main Switch 3 Pole 80A 400V 415V 3 Module
WOMSW3100	Main Switch 3 Pole 100A 400V 415V 3 Module

Standard Number:

AS 60947.3

Certification Number:

GMA-515236

WOMSW2100: GMA-515236

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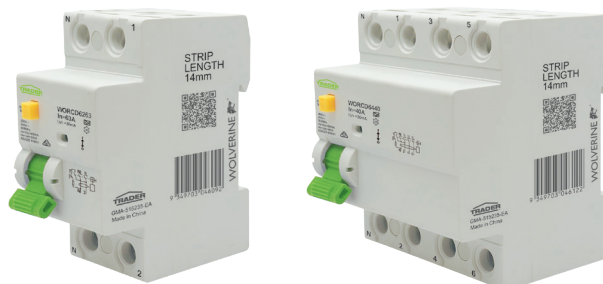
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Data Specification Sheet
January 2024

WORCD6220
WORCD6240
WORCD6263
WORCD6420
WORCD6440
WORCD6463

Wolverine Type A RCD Series



Overview:

Wolverine Din Rail mounted RCDs (WORCD series) offer fast and flexible installation for safety of personal and equipment protection applications in domestic and small commercial environments. Being fully certified in accordance with standard AS/NZS and IEC 61008-1 (Residual current circuit breakers for household and similar purposes). Providing protection against earth faults that may occur in equipment and reduce the effects of electric shock and save lives by cutting off supply if they have measured an imbalance between the live and neutral cables above the sensitivity level where current flowing in the live and neutral cables becomes imbalanced from current flowing to earth.

They feature easy-to-use terminals, din assembly and U-style busbar suitability. The Wolverine RCDs are available in type A sensing characteristic and ideal for applications for protection of general everyday use and available in 30mA operating current. Type A RCDs are sensitive to both sinusoidal currents and "unidirectional pulsed" currents, which may be present in modern electrical systems with electronic devices for rectifying the current or similar equipment. They are ideal for protection in applications for electronic components, inverters, class 1 IT & multimedia equipment, power supplies for class 2 equipment, lighting controls, induction hobs and washing machines.

Page 1 of 3



Catalogue Number	Description
WORCD6220	RCD Residual Current Device 6kA 2 Pole 20 Amp 230V 240V ac 30mA Type A 2 Module
WORCD6240	RCD Residual Current Device 6kA 2 Pole 40 Amp 230 240V 30mA Type A 2 Module
WORCD6263	RCD Residual Current Device 6kA 2 Pole 63 Amp 230 240V 30mA Type A 2 Module
WORCD6420	RCD Residual Current Device 6kA 4 Pole 20 Amp 400V 415V ac 30mA Type A 4 Module
WORCD6440	RCD Residual Current Device 6kA 4 Pole 40 Amp 400 415V 30mA Type A 4 Module
WORCD6463	RCD Residual Current Device 6kA 4 Pole 63 Amp 400 415V 30mA Type A 4 Module

Standard Number:

AS/NZS_61008.1

Certification Number:

GMA-515235-EA

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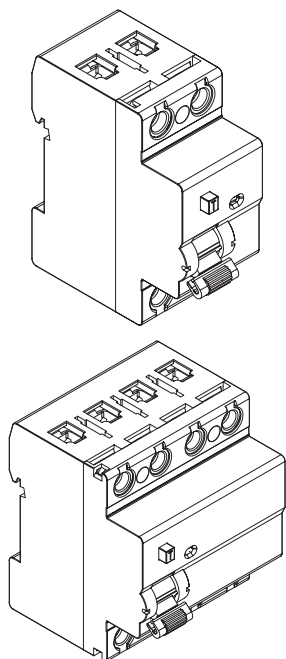
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Data Specification Sheet
January 2024

WORCD6220
WORCD6240
WORCD6263
WORCD6420
WORCD6440
WORCD6463

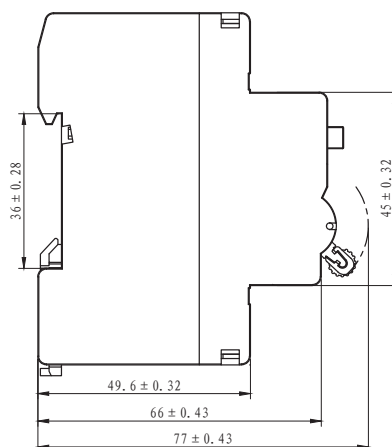
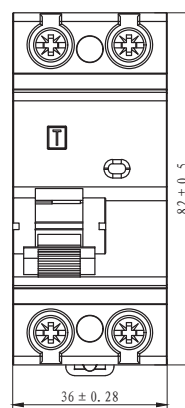
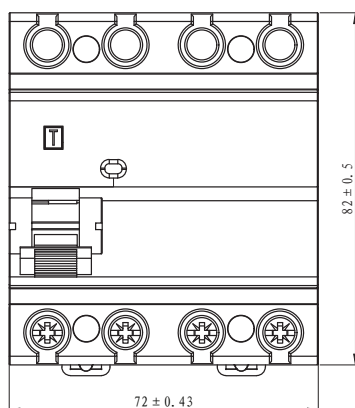


Wolverine Type A RCD Series



Electrical Features	Type	Electro-magnetic
	Current Rating	20A, 40A, 63A
	Rated Voltage	230/240V, 400/415V
	Pole Number	1P+N, 3P+N
	Type (wave form of the earth leakage)	Type A
	Breaking Capacity	6kA
	Rated Frequency	50/60Hz
	Rated Sensitivity I _n	30mA only available
	Rated Impulse Withstand Voltage U _{imp}	4000V
	Rated making and breaking capacity	400A, 630A
	Terminal Connection Height	19mm
	Pollution Degree	2
	Standard	AS/NZS 61008.1
	Approval certificate number	GMA-515235-EA
Mechanical Features	Protection Degree	IP20
	Electro-mechanical endurance	4,000 cycles
	Contact Position Indicator	Yes
	Ambient Temperature	-25~+40
Installation	Terminal Connection Type	Cable/U-type busbar/Pin-type busbar
	Terminal Size Top/Bottom For Cable	25mm ²
	Maximum Tightening Torque	3.5 Nm
	Recommended tightening torque for terminals	1.5 Nm
	Mounting	On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection	Terminal Screw terminal, Pillar terminal with clamp
	Application	Residential and Light Commercial

Page 2 of 3



Standard Number:

AS/NZS_61008.1

Certification Number:

GMA-515235-EA

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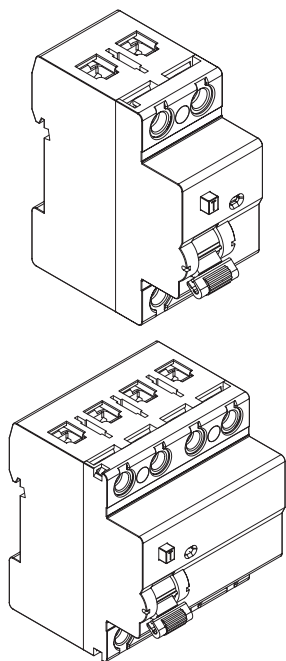
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Data Specification Sheet
January 2024

WORCD6220
WORCD6240
WORCD6263
WORCD6420
WORCD6440
WORCD6463



Wolverine Type A RCD Series



Installation Instruction

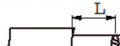
This product **MUST** be installed by a licensed electrician.

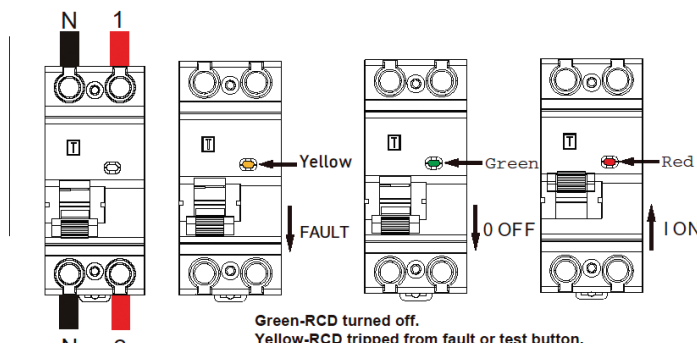
Line and Load can be top or bottom.

To avoid damage to RCD disconnect before insulation testing Connect the Neutral cable before the Line active cable.

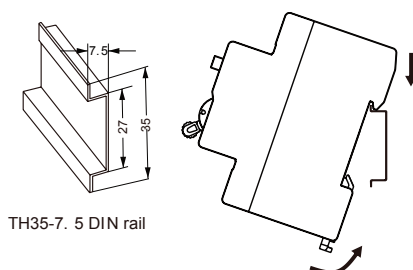
- Used in domestic installations, as well commercial electrical distribution systems.
- Protection of circuits against short-circuit currents.
- Protection of circuits against overload currents.

Wiring

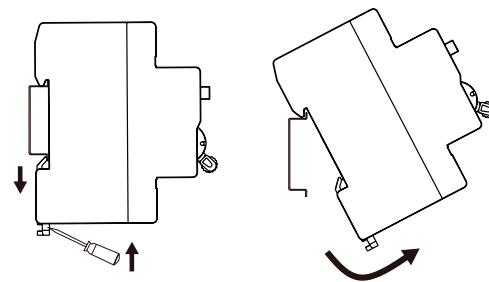
	
	L: 14mm S: (1-25)mm ²
	Recommended 1.5Nm



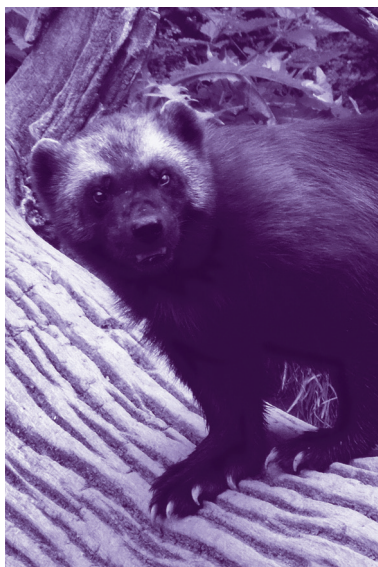
Mounting



Dismounting



Page 3 of 3



WARNING: If RCD trips it maybe caused by either, overload, short circuit or earth leakage. The installation should be checked before resetting RCD.

Standard Number:

AS/NZS_61008.1

Certification Number:

GMA-515235-EA

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Data Specification Sheet
January 2024

WOSB12
WOSB18
WOSB24

*See current catalogue for further detail

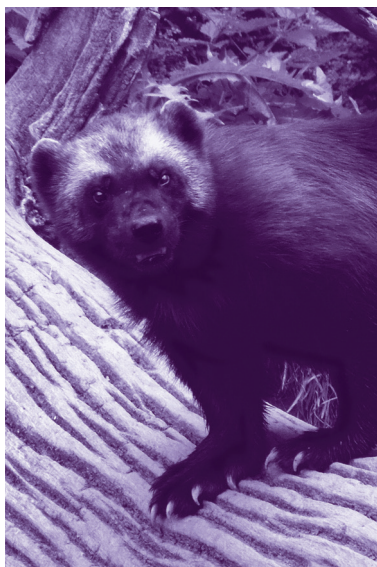
Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended.

It is important to ensure that switches are turned off before cleaning.

Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.



Wolverine Switch Boards

- The WOSB12, WOSB18 and WOSB24 are designed for indoor surface mounting use only and intended for use to accommodate circuit protection devices such as circuit breakers; RCDs, isolating switches, surge/over-voltage protection and other such products.
- They are intended for use in domestic or commercial applications.
- They MUST be installed by a licensed electrician and follow AS/NZS3000 wiring rules.
- They comply and have been tested in accordance with AS/NZS61439.3
- IP40 from the front surfaces when mounted to AS 60529.
- Ipk: 17kA for the enclosure assembly.
- Class 2 assembly.
- 100A rated assembly and contains Neutral and Earth bars with double rows of screws.
- Parts pack includes 80A rated bus bar, sticker labelling pack in red and green for non-RCD protected and RCD protected circuit identification, pole fillers (full and half DIN module sizes)

INTERFACE CHARACTERISTIC

Voltage ratings

Rated voltage (Un): 415V
Rated operational voltage (Ue): 415V
Rated insulation voltage (Ui): 1000V
Rated impulse withstand voltage of assembly (Uimp): 4000V
Complies with minimum overvoltage category III according IEC 60364-4-44

Current ratings

Rated current of the ASSEMBLY (InA): 100A
Rated peak withstand current (Ipk): 17kA
Rated conditional short-circuit current of an ASSEMBLY (Icc): 10kA

Rated diversity factor (RDF) 1-0.9

Rated frequency (fn) 50Hz

Pollution degree: 2

Indoor installation only

Fixed stationary installation.

Installation to be carried out by a skilled licensed electrician

Mechanical impact protection: IK05

For protection against electric shock requires screws to be removed to access live parts.

Type B distribution board

The rating of loose busbars. 80A end fed or 100A centre feed.

Neutral link rating: 100A

Overall dimensions:

12 module: 155mm x 200mm x 100mm,

18 module: 360mm x 220mm x 100mm,

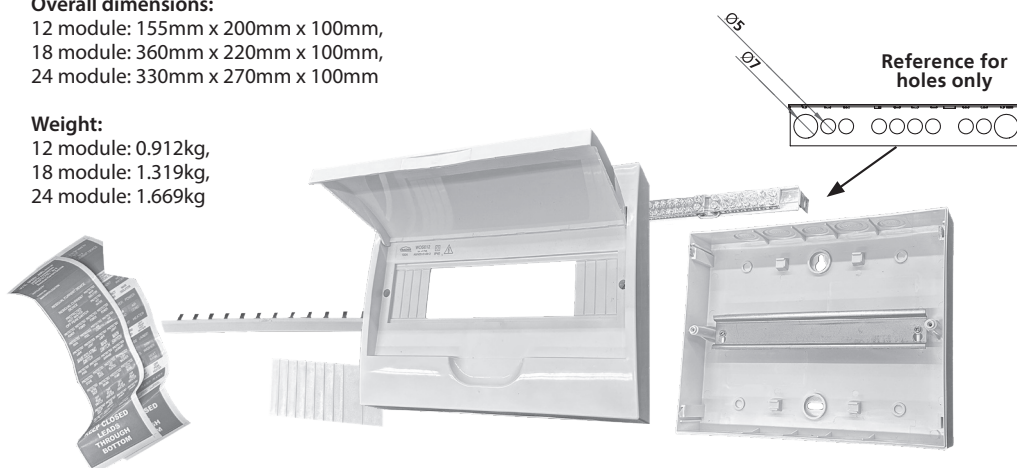
24 module: 330mm x 270mm x 100mm

Weight:

12 module: 0.912kg,

18 module: 1.319kg,

24 module: 1.669kg



Catalogue Number	Description
WOSB12	Switchboard surface mount 12 way 100A 415V~ With White Door
WOSB18	Switchboard surface mount 18 way 100A 415V~ With White Door
WOSB24	Switchboard surface mount 24 way 100A 415V~ With White Door

Certification Number:

TBC

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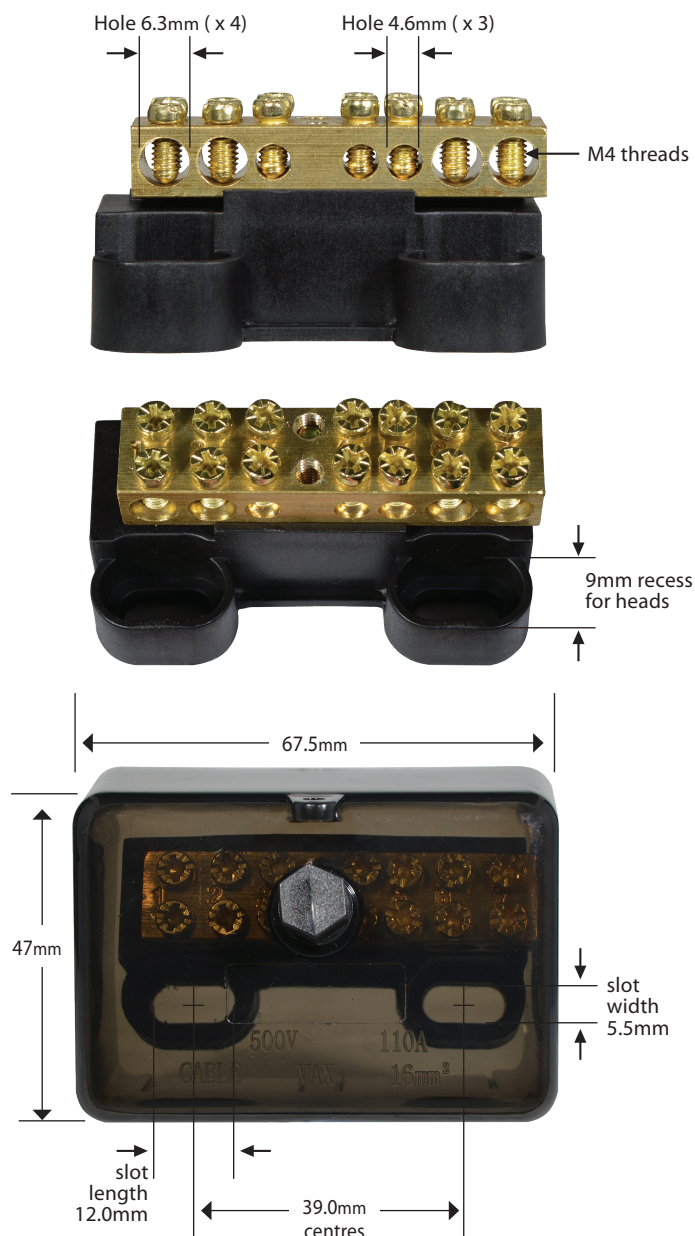


Data Specification Sheet
240325

WONBPM7

Wolverine Neutral Bar Link Panel Mount

- 500V 110A 7 Hole Panel mountable Neutral Bar Link with two screws per tunnel.
- Black Insulated cover and base with large mounting apertures.
- Dimensions: 67.5 x 47 x 47mm. Mounting centres: 39mm with 12 x 5.5 mm slots.
- 4 tunnels, 6.3mm diameter accommodate 1 x 16mm² cable.
- 3 tunnels, 4.6mm diameter accommodate 1 x 10mm² cable.



Catalogue Number	Description
WONBPM7	Neutral Bar Panel Mount 7 Hole With Insulating Cover

WOSOAUDP10 WOSOAUDP15

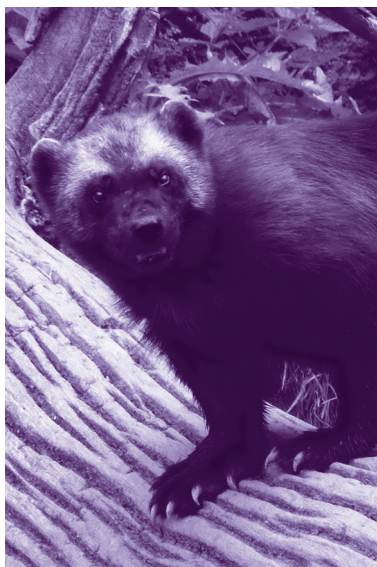
*See current catalogue for further detail

Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended. It is important to ensure that switches are turned off before cleaning.

Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.



DIN Mounted Socket

DIN mounted socket designed for easy installation on a DIN rail.

These sockets suit 3 pin plugs for either 10A or 15A 250Vac rating and provides a reliable and secure connection for your electrical devices.

Features:

- 3 Flat Pin
- Available in 10A or 15A options
- Auto switched double pole

Neon Indication

To provide indication that supply is present when plugs are inserted, all products are supplied with a neon indication.

Safety Shutters

To prevent accidental insertion into live contacts all WOSOAUDP series DIN Socket Outlets are manufactured with safety shutters.

Double Pole Auto Switched

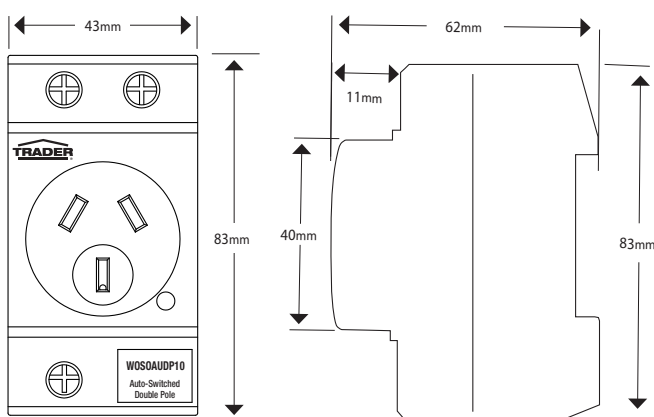
The Din Socket Outlets have double pole construction which incorporates auto switching across active and neutral contacts which makes them versatile for applications such as work sites in temporary boards and portable generators.

Connection

Installation and connection have been designed so that the active terminal is loaded from the bottom position in line with other MCB and busbar active terminations and the screw positions are front mounted in a similar layout for time saving front access (see images below). This reduces the need to unclip the product and wire it from the rear as other in the market must be done. The top positioned Neutral & Earth connections place them close to the MEN for ease of wiring in smaller boards which all helps with reducing installation time.

DIN Rail Mounting

All WOSOAUDP series products are supplied with a robust DIN clip, providing strong grip to the DIN rail when removing plugs from extension cords are the if the sockets need strong mounting strength if used on work sites.



Catalogue Number	Description
WOSOAUDP10	Socket DIN Rail Mounted Auto-Switched Double Pole 10A 250V 3 Flat Pin
WOSOAUDP15	Socket DIN Rail Mounted Auto-Switched Double Pole 15A 250V 3 Flat Pin

Certification Number:

GMA-518295-EA

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Data Specification Sheet
240522

WOBBP18C
WOBBF181
WOBBF183

*See current catalogue for further detail

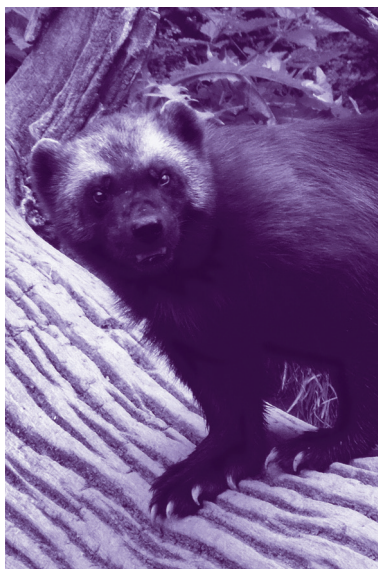
Cleaning Guide:

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Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.

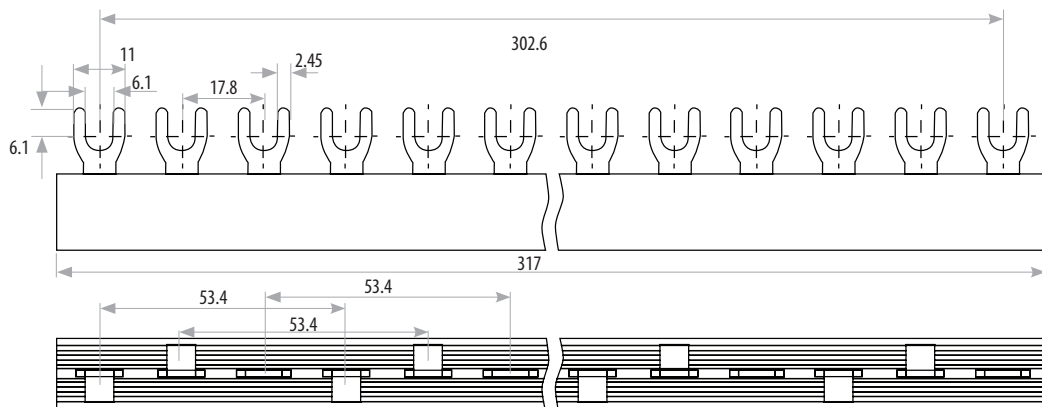
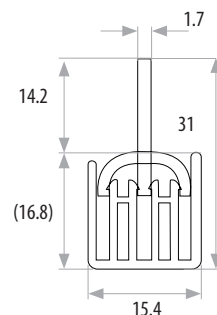
Page 1 of 2



Wolverine Busbar Range

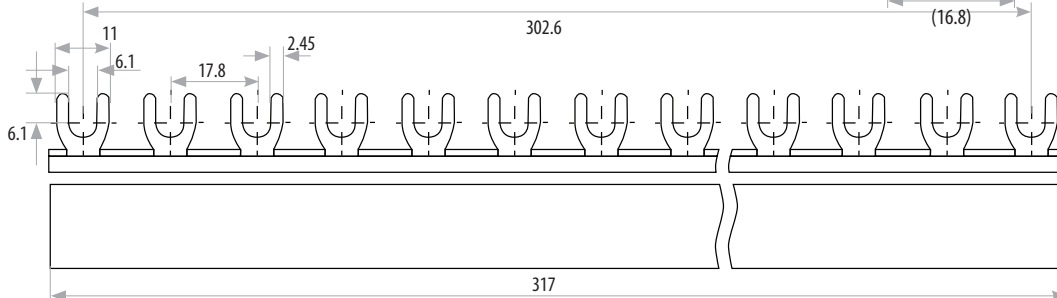
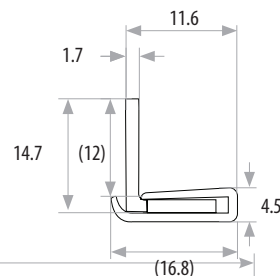
WOBBF183

- Designed for three phase feed in for Active
- Rated current In, busbar comb, end feed 80A
- Rated Voltage 230V/400V
- Type connection Fork type
- Number of phases 3
- Number of modules 18
- Insulated sleeve
- Not Suitable for devices with N-conductor
- Module width 18mm
- Cross section 16mm²



WOBBF181

- Designed for single pole feed in for Active
- Rated current In, busbar comb, end feed 80A
- Rated Voltage 230V
- Type connection Fork type
- Number of phases 1
- Number of modules 18
- Insulated sleeve
- Not Suitable for devices with N-conductor
- Module width 18mm
- Cross section 16mm²



Catalogue Number	Description
WOBBP18C	Busbar Insulated Pin 80 Amp 2 Pole 18 Module Combo Active Plus Neutral Purple
WOBBF181	Busbar Insulated Fork 80 Amp 1 Pole 18 Module Purple
WOBBF183	Busbar Insulated Fork 80 Amp 3 Pole 18 Module Purple



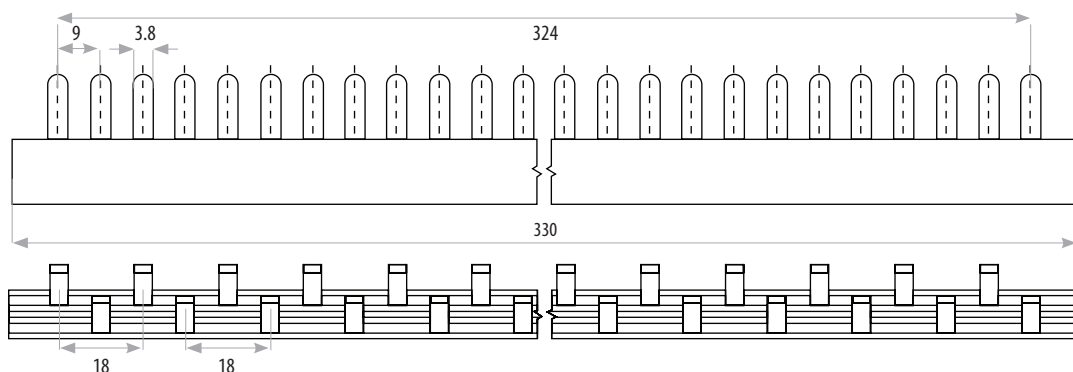
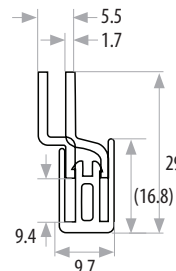
WOBBP18C
WOBBF181
WOBBF183

*See current catalogue for further detail

Wolverine Busbar Range

WOBBP18C

- Designed for single module combination RCBO feed in for Active and Neutral
- Rated current I_n , busbar comb, end feed 80A
- Rated Voltage 230V/400V
- Type connection Pin type
- Number of phases 2
- Number of modules 18
- Insulated sleeve
- Suitable for devices with N-conductor
- Module width 18mm
- Cross section 16mm^2



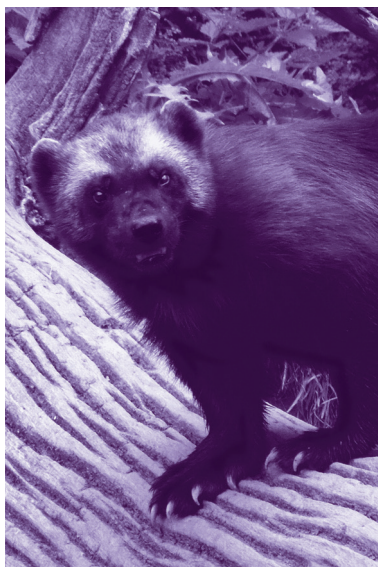
Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended. It is important to ensure that switches are turned off before cleaning.

Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.

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Catalogue Number	Description
WOBBP18C	Busbar Insulated Pin 80 Amp 2 Pole 18 Module Combo Active Plus Neutral Purple
WOBBF181	Busbar Insulated Fork 80 Amp 1 Pole 18 Module Purple
WOBBF183	Busbar Insulated Fork 80 Amp 3 Pole 18 Module Purple