THERE'S BEEN A SURGE IN OUR LINE OF GFCIs.

Woodhead now offers a complete line of portable GFCI products in both automatic and manual designs.

PERFORMANCE | RELIABILITY | SAFETY

Woodhead®
PORTABLE POWER

Woodhead Portable Ground Fault Circuit Interrupter (GFCI)

Now offering a complete line of portable automatic and manual reset industrial grade Ground Fault Circuit Interrupter (GFCI) products with enclosures rated of NEMA 3R, 4X, 6P

Choose the names you trust and the product you depend on from a single source – Woodhead®, Watertite®, and Super-Safeway® brands.

Woodhead GFCI products are well-suited for after-market equipment upgrades or as standalone portable power.

Application Examples

Construction Sites
Manufacturing Plants
Steel Mills
Petrochemical Plants
Shipyards
Home Workshops
Hospitals
Hotels
Commercial Garages
Public Facilities
Convention Centers
Food and Beverage Plants
Pulp and Paper Plants
Meat Processing

Features: Electro-Magnetically Latched

- Prevents circuit failure in a contact-closed state if a curcuit failure should occur, it will be in a contact-open, "no-power" state
- Will not de-latch under rough-service (common occurence for mechanically latched devices) causing nuisance-tripping of the GFCI contacts

Automatic Reset Vs. Manual Reset

Automatic Reset

- Does NOT require activation by hand after a power outage but DOES require it after a ground fault condition
- Applications such as lighting, power distribution where devices are unattended

Manual Reset

- Must be activated by hand after a power outage or in the event of a ground fault condition
- Protects against potential hazards associated with unmonitored equipment startup and force "Safe Start" conditions

For additional product and application information or for variations of these products, please contact Woodhead industries at 800.225.7724 or visit us at www.woodhead.com/gfci.

Woodhead GFCI Devices Are Engineered To Meet Your Needs:

15 AMP GFCI PLUG

15 AMP, 50/60HZ, 120VAC

NEMA 3R ENCLOSURE RATING
Listing: cULus
CLASS "A" PROTECTION
RESET TYPE:
AUTOMATIC OR MANUAL (SAFE START)

15 AMP IN-LINE GFCI

15 AMP, 50/60HZ, 120VAC

NEMA 3R ENCLOSURE RATING
Listing: cULus
CLASS "A" PROTECTION
RESET TYPE:
AUTOMATIC OR MANUAL (SAFE START)

20 AMP IN-LINE GFCI

20 AMP, 50/60HZ, 120VAC (L1, N, G)
20 AMP, 50/60HZ, 240VAC (L1, L2, G)

NEMA 4X ENCLOSURE RATING
Listing: cULus
CLASS "A" PROTECTION
RESET TYPE:
AUTOMATIC OR MANUAL (SAFE START)

AVAILABLE CONFIGURATIONS:
208VAC, 3-WIRE (L1, L2, G)
277VAC, 3-WIRE (L1, L2, G) NON-U.L.

30 AMP IN-LINE GFCI

30 AMP, 60HZ, 120VAC (L1, N, G)
30 AMP, 60HZ, 240VAC (L1, L2, G)

NEMA 4X & 6P ENCLOSURE RATING
Listing: cULus
CLASS "A" PROTECTION
RESET TYPE:
AUTOMATIC OR MANUAL (SAFE START)

AVAILABLE CONFIGURATIONS:
208VAC, 3-WIRE (L1, L2, G)
277VAC, 3-WIRE (L1, L2, G) NON-U.L.
DUAL VOLTAGE 120/240 VAC = 4-WIRE (L1, L2, N, G)
30 120/208VAC, 5-WIRE (L1, L2, L3, N, G)
30 240VAC, 4-WIRE (L1, L2, L3, G)
30 208VAC, 4-WIRE (L1, L2, L3, G)
30 277VAC, 4-WIRE (L1, L2, L3, G) NON-U.L.

Please consult our company for variations of our standard products to meet your special needs.

Consult our company for other NEW G.F.C.I. products such as the following:

- 30 Amp Permanent/Panel Mount G.F.C.I.Series
- 40, 50 & 60 Amp Portable Series (Cord) E.L.C.I.
- 30 Amp Single/Multi-Phase Hazardous Duty Portable (Cord) G.F.C.I.
- 30 Amp Multi-Phase Permanent/Panel Mount G.F.C.I. Series
- 40, 50 & 60 Amp Permanent Series (Splice-In) E.L.C.I.
- 30 Amp Single/Multi-Phase Hazardous Duty Permanent Mount (Splice-In) G.F.C.I.

In-Line GFCI with Molded Plug/Connector

FEATURES:

- Highly visible LED indicator confirms power and fault – even at a distance
- Open neutral sensing relay detects and prevents operation under threatening conditions
- Reset/test buttons recessed and marked to prevent accidental actuation
- Electromagnetic latching mechanism prevents nuisance tripping during rough service applications
- Rugged, rain-proof, UV-stabilized enclosure resists abuse, sunlight, oils and chemicals
- Cord grips provide for superior pull-out protection
- Enclosures UL tested to NEMA type 3R, 4X and 6P

15050-1M

20051-1MLDM

30051-1MLDM

MOLDED PLUG/CONNECTOR

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2'	15050-1A[1]	15050-1M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	6'	15050-6A[1]	15050-6M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25'	15050-25A[1]	15050-25M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	50'	15050-50A[1]	15050-50M[1]
L5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	2'	20051-1MLDA[2]	20051-1MLDM[2]
L6-20	20A, 60HZ, 240VAC	12/3 SJEOOW	2'	24052-1MLDA[2]	24052-1MLDM[2]
L5-30	30A, 60HZ, 120VAC	10/3 SJEOOW	2'	30051-1MLDA[3]	30051-1MLDM[3]

20051-0M

30051-0M

FLYING LEADS

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
n/a	20A, 50/60HZ, 120VAC	12/3 SJEOOW	2'	20051-0A[4]	20051-0M[4]
n/a	20A, 60HZ, 240VAC	12/3 SJEOOW	2'	24052-0A[4]	24052-0M[4]
n/a	30A, 60HZ, 120VAC	10/3 SJEOOW	2'	30051-0A[4]	30051-0M[4]
n/a	30A, 60HZ, 240VAC	10/3 SJEOOW	2'	30053-0A[4]	30053-0M[4]

15050-3TTM

MOLDED PLUG/TRI-CORD CONNECTOR

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2'	15050-3TTA[1]	15050-3TTM[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	6'	15050-6TTA[1]	15050-6TTM[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25'	15050-25TTA[1]	15050-25TTM[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	50'	15050-50TTA[1]	15050-50TTM[1]

[1] U.L. and cU.L. Listed; NEMA 3R Enclosure Rated (Indoor/Outdoor Use)
[2] U.L. and cU.L. Listed; NEMA 4X Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)
[3] U.L. and cU.L. Listed; NEMA 4X and 6P Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)
[4] U.L. Recognized for U.S. and Canada; 20AMP Product NEMA 4X Enclosure Rated, 30AMP Product NEMA 4X and 6P Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)

In-Line GFCI with Watertite® Plug/Connector (For Wet Environment)

ADDITIONAL FEATURES:

- Thick, rubberized Watertite plugs and connectors designed to insure a high performance electrical connection even in wet environments
- NEMA Enclosure Rating of 3R, 4X and 6P

15052-1M

20052-1M

30052-2M

IN-LINE GFCI WITH WATERTITE PLUG/CONNECTOR

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2'	15052-1A[1]	15052-1M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	6'	15052-6A[1]	15052-6M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25'	15052-25A[1]	15052-25M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	50'	15052-50A1	15052-50M[1]
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	2'	20052-1A[2]	20052-1M[2]
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	6'	20052-6A[2]	20052-6M[2]
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	25'	20052-25A[2]	20052-25M[2]
L6-20	20A, 50/60HZ, 240VAC	12/3 SJEOOW	2'	24052-1A[2]	24052-1M[2]
L6-20	20A, 50/60HZ, 240VAC	12/3 SJEOOW	6'	24052-6A[2]	24052-6M[2]
L6-20	20A, 50/60HZ, 240VAC	12/3 SJEOOW	25'	24052-25A[2]	24052-25M[2]
L5-30	30A, 60HZ, 120VAC	10/3 SJEOOW	2'	30052-1A[3]	30052-1M[3]
L5-30	30A, 60HZ, 120VAC	10/3 SJEOOW	6'	30052-6A[3]	30052-6M[3]
L5-30	30A, 60HZ, 120VAC	10/3 SJEOOW	25'	30052-25A[3]	30052-25M[3]
L6-30	30A, 60HZ, 240VAC	10/3 SJEOOW	2'	30054-1A[3]	30054-1M[3]
L6-30	30A, 60HZ, 240VAC	10/3 SJEOOW	6'	30054-6A[3]	30054-6M[3]
L6-30	30A, 60HZ, 240VAC	10/3 SJEOOW	25'	30054-25A[3]	30054-25M[3]

[1] U.L. and cU.L. Listed; NEMA 3R Enclosure Rated (Indoor/Outdoor Use)
[2] U.L. and cU.L. Listed; NEMA 4X Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)
[3] U.L. and cU.L. Listed; NEMA 4X and 6P Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)

In-Line GFCI with Super-Safeway® Plug/Connectors

Woodhead's In-Line GFCIs come equipped with Woodhead's Super-Safeway, heavy-duty, industrial type, rubberized plugs and connectors which are engineered to endure the harshest most abusive environments.

ADDITIONAL FEATURES:

- Thick, rubberized plugs and connectors designed to insure high performance electrical connections
- NEMA Enclosure Rating of 3R, 4X and 6P

15051-1M

20051-1M

30051-1M

IN-LINE GFCI WITH SUPER-SAFEWAY PLUG/CONNECTORS

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2'	15051-1A[1]	15051-1M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	6'	15051-6A[1]	15051-6M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25'	15051-25A[1]	15051-25M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	50'	15051-50A[1]	15051-50M[1]
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	2'	20051-1A[2]	20051-1M[2]
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	6'	20051-6A[2]	20051-6M[2]
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	25'	20051-25A[2]	20051-25M[2]
L5-30	30A, 50/60HZ, 120VAC	10/3 SJEOOW	2'	30051-1A[3]	30051-1M[3]
L5-30	30A, 50/60HZ, 120VAC	10/3 SJEOOW	6'	30051-6A[3]	30051-6M[3]
L5-30	30A, 50/60HZ, 120VAC	10/3 SJEOOW	25'	30051-25A[3]	30051-25M[3]
L6-30	30A, 50/60HZ, 240VAC	10/3 SJEOOW	2'	30053-1A[3]	30053-1M[3]
L6-30	30A, 50/60HZ, 240VAC	10/3 SJEOOW	6'	30053-6A[3]	30053-6M[3]
L6-30	30A, 50/60HZ, 240VAC	10/3 SJEOOW	25'	30053-25A[3]	30053-25M[3]

[1] U.L. and cU.L. Listed; NEMA 3R Rated (Indoor/Outdoor Use)
[2] U.L. and cU.L. Listed; NEMA 4X Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)
[3] U.L. and cU.L. Listed; cULus; NEMA 4X and 6P Enclosure Rated, Wet Location Rated (Indoor/Outdoor Use)

Plugs

ADDITIONAL FEATURES:

- NEMA Enclosure Rating of 3R (INDOOR/OUTDOOR)
- GFCI plug only available NEMA 5-15 configuration

15054-M

15054-1M

GFCI PLUGS

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
5-15	15A, 50/60HZ, 120VAC	None	Field Attachable	15054A[4]	15054M[4]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2' CORD SET	15054-1A[1]	15054-1M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2' TRI-CORD	15054-1TTA[1,2]	15054-1TTM[1,2]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25' CORD SET	15054-25A[1]	15054-25M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25' TRI-CORD	15054-25TTA[1,2]	15054-25TTM[1,2]

[1] U.L. and cU.L. Listed; NEMA 3R Enclosure Rated (Indoor/Outdoor Use)
[2] U.L. and cU.L. Listed; "TT" is for Tri-Tap Outlet, NEMA 3R Enclosure Rated (indoor/Outdoor use)
[4] U.L. Recognized for U.S. and Canada; Field Attachable, without cord, "Rainproof"

Outlet Boxes

ADDITIONAL FEATURES:

- Thick, rubberized, boxes and high quality components are designed to endure the harshest environments

15053-2M

15053W-2M

OUTLET BOXES

NEMA CONFIGURATION	AMPS/HZ/VOLTS	CORD TYPE/LENGTH		AUTOMATIC RESET PART NO.	MANUAL RESET PART NO.
GFCI plug with outlet box,without Flip Lid Cover, two NEMA 5-15 duplex receptacles					
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2'	15053-2A[1]	15053-2M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25'	15053-25A[1]	15053-25M[1]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	50'	15053-50A[1]	15053-50M
GFCI plug with outlet box with Flip Lid Covers, two NEMA 5-15 duplex receptacles					
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	2'	15053W-2A[2]	15053W-2M[2]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	25'	15053W-25A[2]	15053W-25M[2]
5-15	15A, 50/60HZ, 120VAC	12/3 SJTW	50'	15053W-50A[2]	15053W-50M[2]
In-Line GFCI with outlet box, two NEMA 5-15 duplex receptacles, without Flip Lid Covers, SUPER-SAFEWAY® Plug (1433)					
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	2'	20053-2A[1]	20053-2M[1]
In-Line GFCI with outlet box with Lid Covers, two NEMA 5-20 duplex receptacles includes Flip Lid Covers, WATERTITE® Plug (14W33)					
5-20	20A, 50/60HZ, 120VAC	12/3 SJEOOW	2'	20053W-2A[2]	20053W-2M[2]

[1] U.L. Listed
[2] U.L. Listed; NEMA 3R Enclosure Rated (Indoor/Outdoor Use)

TERMINOLOGY

Ground-Fault Circuit Interrupter (GFCI) A device intended for the protection of personnel that functions to de-energize a circuit or portion thereof within an established period of time when a current to ground exceeds the values established for a Class A device.

FPN: Class A ground-fault circuit interrupters trip when the current to ground has a value in the range of 4mA to 6mA. For further information, see UL 943, Standard for Ground-Fault Circuit Interrupters.

Ground-Fault Protection of Equipment. A system intended to provide protection of equipment from damaging line-to-ground fault currents by operating to cause a disconnecting means to open all ungrounded conductors of the faulted circuit. This protection is provided at current levels less than those required to protect conductors from damage through the operation of a supply circuit overcurrent device.

CODE SUMMARY FROM NEC 2005

ARTICLE 511 – Commercial Garages, Repair and Storage

511.12 Ground-Fault Circuit-Interrupter Protection for Personnel

All 125-volt, single-phase, 15- and 20-ampere receptacles installed in areas where electrical diagnostic equipment, electrical hand tools, or portable lighting equipment are to be used shall have ground-fault circuit-interrupter protection for personnel.

ARTICLE 513 – Aircraft Hangars

513.12 Ground-Fault Circuit-Interrupter Protection for Personnel

All 125-volt, 50/60 Hz, single phase, 15- and 20-ampere receptacles installed in areas where electrical diagnostic equipment, electrical hand tools, or portable lighting equipment are to be used shall have ground-fault circuit-interrupter protection for personnel.

ARTICLE 525 – Carnivals, Circuses, Fairs and Similar Events

525.23 Ground-Fault Circuit-Interrupter (GFCI) Protection

(a) Where GFCI Protection is Required. The ground-fault circuit interrupter shall be permitted to be an integral part of the attachment plug or located in the power-supply cord, within 300 mm (12 in.) of the attachment plug. Listed cord sets incorporating ground-fault circuit-interrupter for personnel shall be permitted.

(1) 125-volt, single-phase, 15- and 20-ampere non-locking type receptacles used for disassembly and reassembly or readily accessible to the general public.

(2) Equipment that is readily accessible to the general public and supplied from a 125-volt, single-phase, 15- or 20-ampere branch circuit.

ARTICLE 590 – Temporary Installations

590.6 Ground-Fault Protection for Personnel

Ground-fault protection for personnel for all temporary wiring installations shall be provided to comply with 590.6(A) and 590.6(B). This section shall apply only to temporary wiring installations used to supply temporary power to equipment used by personnel during construction, remodeling, maintenance, repair, or demolition of buildings, structures, equipment or similar activities.

(**a**) **Receptacle Outlets.** All 125-volt, single-phase, 15- 20-, and 30-ampere receptacle outlets that are not a part of the permanent wiring of the building or structure and that are in use by personnel shall have ground-fault circuit interrupter protection for personnel. If a receptacle(s) is installed or exists as part of the permanent wiring of the building or structure and is used for temporary electric power, ground-fault circuit-interrupter protection for personnel shall be provided. For the purpose of this section, cord sets or devices incorporating listed ground-fault circuit interrupter protection for personnel identified for portable use shall be permitted.

Exception: In industrial establishments only, where conditions of maintenance and supervision ensure that only qualified personnel are involved, an assured equipment grounding conductor program as specified in 590.6(B)(2) shall be permitted for only those receptacle outlets used to supply equipment that would create a greater hazard if power was interrupted or having a design that is not compatible with GFCI protection.

(b) Use of Other Outlets. Receptacles other than 125-volt, single-phase, 15-, 20-, and 30-ampere receptacles shall have protection in accordance with (B)(1) or the assured equipment grounding conductor program in accordance with (B)(2).

(1) GFCI Protection. Ground-fault circuit interrupter protection for personnel.

(2) Assured Equipment Grounding Conductor Program. A written assured equipment grounding conductor program continuously enforced at the site by one or more designated persons to ensure that equipment grounding conductors for all cord sets, receptacles that are not a part of the permanent wiring of the building or structure, and equipment connected by cord and plug are installed and maintained in accordance with the applicable requirements of 250.114, 250.138, 406.3(C), and 590.4(D).

ARTICLE 600 – Electric Signs and Outline Lighting

600.10 Portable or Mobile Signs

(2) Ground-Fault Circuit Interrupter. Portable or mobile signs shall be provided with factory-installed ground-fault circuit-interrupter protection for personnel. The ground-fault circuit interrupter shall be an integral part of the attachment plug or shall be located in the power-supply cord within 300 mm (12 in.) of the attachment plug.

From OSHA 29 CFR 1926.404(b)(ii) Ground-Fault Circuit Interrupters:

All 120-volt, single-phase 15- and 20-ampere receptacle outlets on construction sites, which are not a part of the permanent wiring of the building or structure and which are in use by employees, shall have approved ground-fault circuit interrupters for personnel protection. Receptacles on a two-wire, single-phase portable or vehicle-mounted generator rated not more than 5kW, where the circuit conductors of the generator are insulated from the generator frame and all other grounded surfaces, need not be protected with ground-fault circuit interrupters.

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