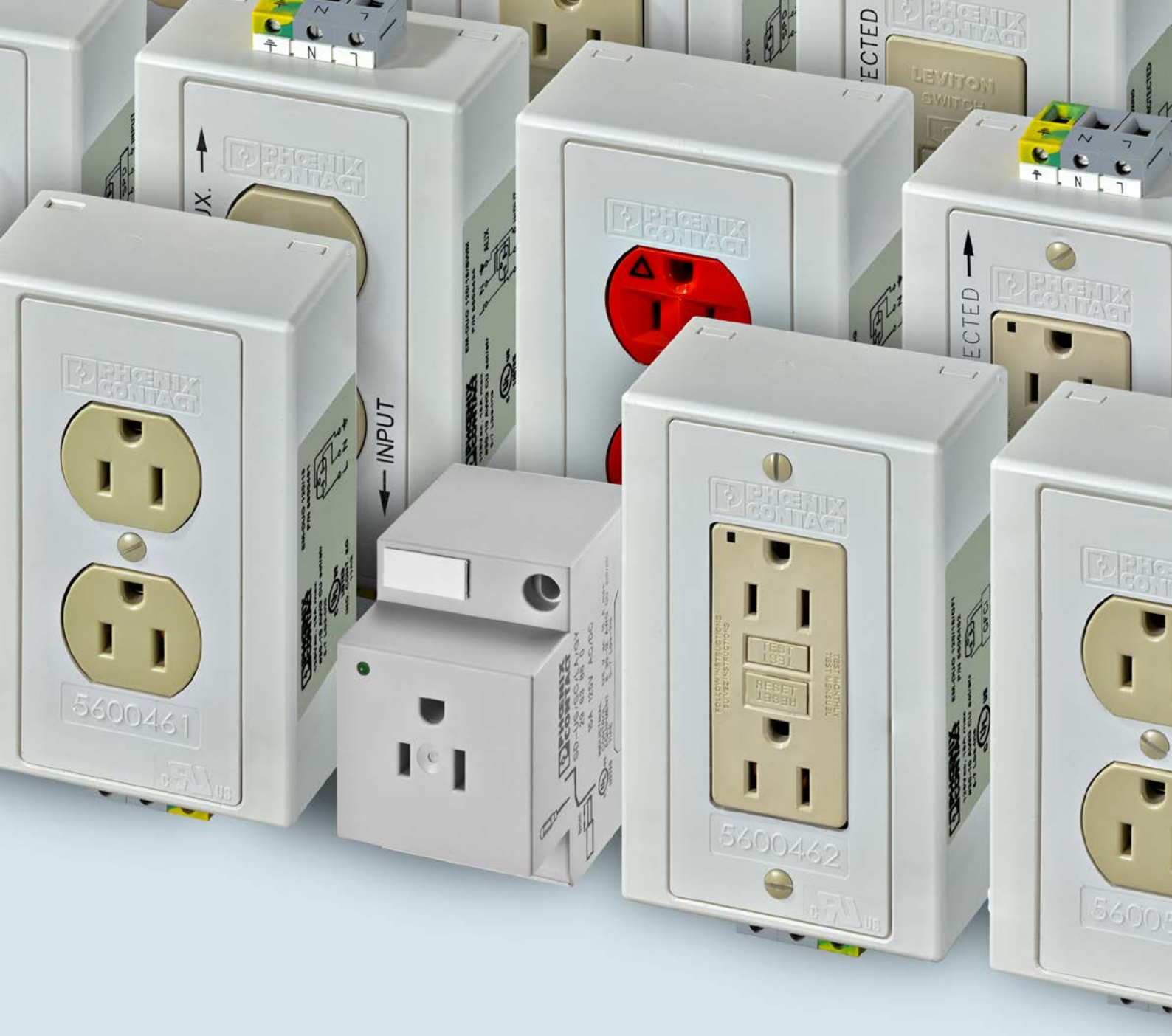




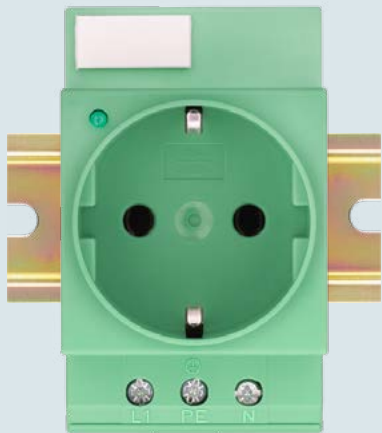
DIN rail-mounted control cabinet outlets

Single outlets

Worldwide and North American

The SD series of outlets provides maximum space savings while providing a single outlet for the control panel. The SD outlets are available in European as well as North American versions and have a current capacity of 15 amps.

The North American outlets have the smallest UL 508 DIN rail-mounted package on the market, with a footprint of only 1.77" (45 mm) x 2.95" (75 mm). This outlet is fully enclosed and touch-proof.



Single Outlets		
Description	Module Width (mm)	Module Length (mm)
DIN rail-mountable single outlet for use with European-style plugs (German)	45	75
DIN rail-mountable single outlet for use with European-style plugs (French)	45	75
DIN rail-mountable single outlet for use with U.S.-style plugs (grey)	45	75
Technical Data: General		
Voltage Rating		
Current Rating		
Connection AWG		
Torque		
Technical Data: Housing		
Color		
Material		
Ambient Temperature Range		

Worldwide	
Description	Order No.
SD-D/SC/LA	29 64 89 8
SD-F/SC/LA	29 63 33 6
250 V AC	
16 A (AC), 10 A (DC)	
26-12	
Green	
PVC V0 (UL94)	
-20°C to +50°C (-68°F to +122°F)	

North American	
Description	Order No.
SD-US/SC/LA/GY	29 63 86 0
120 V AC	
15 A	
30-12	
5-7 lbs-ins	
Black or Grey	
Polycarbonate Fiber V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	

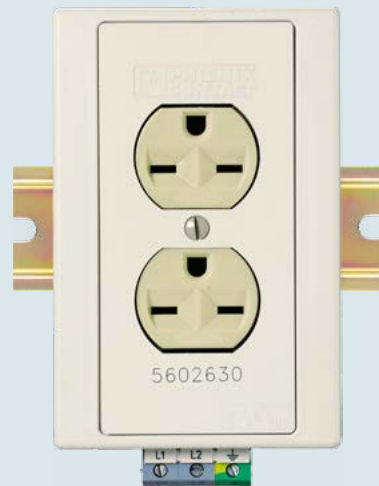
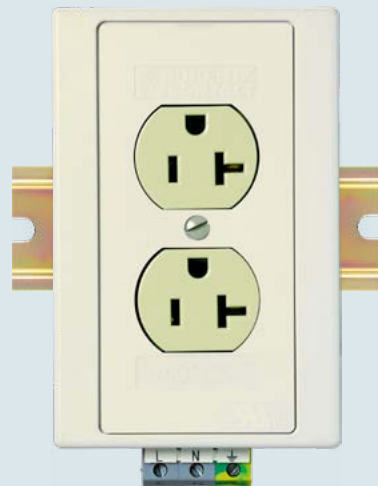
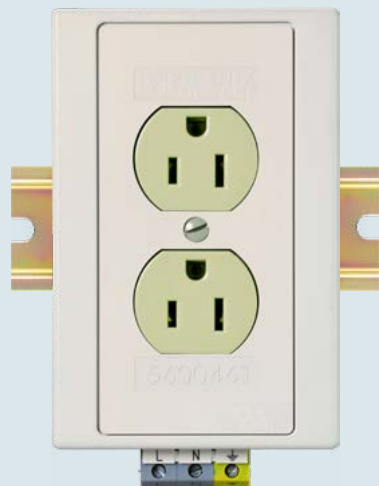
North American	
Description	Order No.
EMG 30-SD/US/15	56 04 25 3
120 V AC	
15 A	
30-12	
5-7 lbs-ins	
Black	
Polycarbonate Fiber V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	

For additional worldwide single outlets, reference the Marking Systems, Tools, Mounting Material 2013/2014 catalog.

Dual power outlets

The dual power outlet package is a fully enclosed, dual utility outlet that offers two 120 V AC/15 A or 20 A receptacles. For enhanced safety, the grounding pin is located at the top to prevent shorting between the hot and neutral blades.

The EM-DUO 120/15/SPLIT is a dual outlet with separate supply terminals for each of the receptacles. The EM-DUO 120/15/IG is equipped with isolated grounding to virtually eliminate electrical noise created by transient currents in the ground network and is marked by an orange outlet. The EM-DUO 250/15 dual outlet can be applied on any project that requires the use of 250 V AC/15 A. The dual power outlets are a perfect fit for any control cabinet.



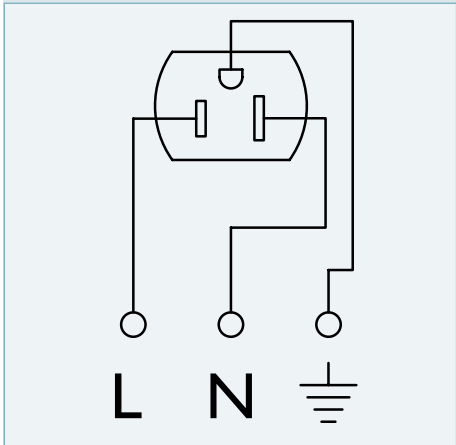
Dual Power Outlets		
Description	Module Width (mm)	Module Length (mm)
DIN rail-mountable dual outlet (120 V AC/15 A)	82.6	134
DIN rail-mountable dual outlet with separate input terminals (120 V AC/15 A)	82.6	134
DIN rail-mountable dual outlet (120 V AC/20 A)	82.6	134
DIN rail-mountable dual isolated ground outlet (120 V AC/15 A)	82.6	134
DIN rail-mountable dual outlet (250 V AC/15 A)	82.6	134
Technical Data: General		
UL 508 Voltage Rating Current Rating Connection AWG Torque		
Technical Data: Housing		
Color Material Ambient Temperature Range Dimensions		

Standard 15 Amp	
Description	Order No.
EM-DUO 120/15	56 00 46 1
EM-DUO 120/15 SPLIT	56 04 06 7
Listed 125 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	

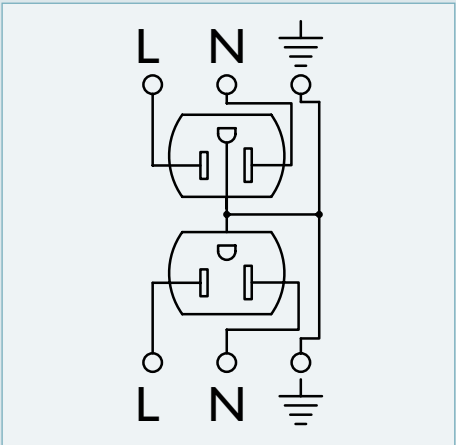
Standard 20 Amp	
Description	Order No.
EM-DUO 120/20	56 00 52 5
Listed 125 V AC 20 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	

Isolated Ground 15 Amp	
Description	Order No.
EM-DUO 120/15/IG	56 01 67 7
Listed 125 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	

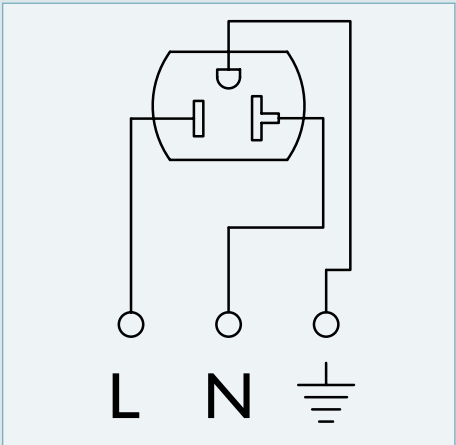
250 V AC/15 A	
Description	Order No.
EM-DUO 250/15	56 02 63 0
Listed 250 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	



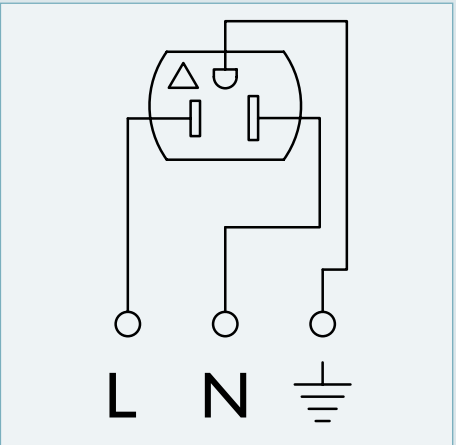
56 00 46 1
EM-DUO 120/15



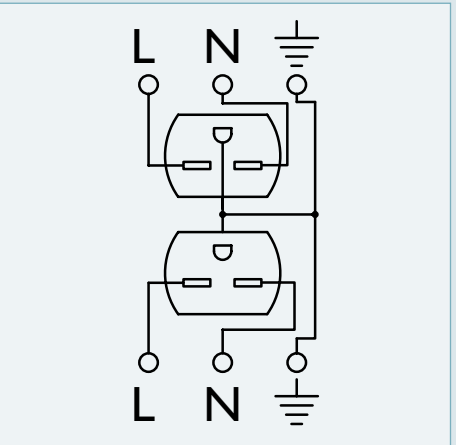
56 04 06 7
EM-DUO 120/15/SPLIT



56 00 52 5
EM-DUO 120/20



56 01 67 7
EM-DUO 120/15/IG



56 02 63 0
EM-DUO 250/15

Ground fault Circuit interruption outlets

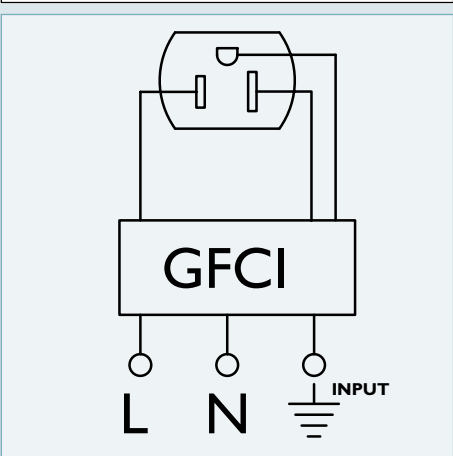
The EM-DUO 120/15/GFI is a fully enclosed, dual utility outlet rated for 120 V AC/15 A. The outlet is equipped with Ground Fault Circuit Interruption (GFCI) for protection against shock hazards associated with ground shorts. For enhanced safety, the grounding pin is located at the top to prevent shorting between the hot and neutral blades.

The EM-DUO 120/.../GFI/AUX outlets include auxiliary terminals that allow users to protect downstream devices by the GFI outlet. The EM-DUO 120/GFI/AUX/NO faceless outlet has no outlets, but it allows you to protect devices downstream with the auxiliary terminals.

Ground Fault Circuit Interruption

Description	Module Width (mm)	Module Length (mm)
DIN rail-mountable GFI outlet (120 V AC/15 A)	82.6	134
DIN rail-mountable GFI outlet w/auxiliary outputs (120 V AC/15 A)	82.6	143.3
DIN rail-mountable GFI outlet (120 V AC/20 A)	82.6	134
DIN rail-mountable GFI outlet w/auxiliary outputs (120 V AC/20 A)	82.6	143.3
DIN rail-mountable faceless GFI (no sockets) w/auxiliary outputs (120 V AC/20 A)	82.6	143.3

Technical Data: General
UL 508 Meets NFPA 79 requirements – Section 16.1.2 Voltage Rating Current Rating Connection AWG Torque
Technical Data: Housing
Color Material Ambient Temperature Range
Technical Data: GFCI
GFI Response Time (GFI Units Comply with UL 943) Dimensions

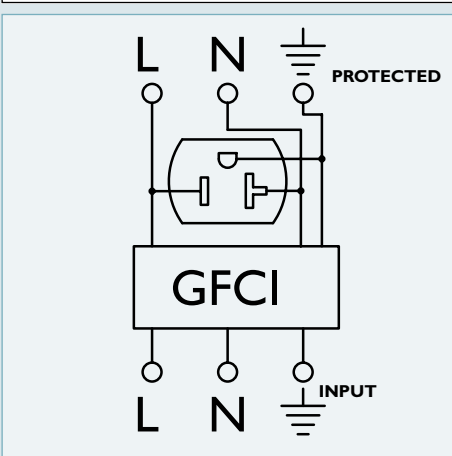


56 00 46 2
EM-DUO 120/15/GFI

15 Amp

Description	Order No.
EM-DUO 120/15/GFI	56 00 46 2
EM-DUO 120/15/GFI/AUX	56 00 63 9

Listed Yes 125 V AC 15 A 30-10 5-7 lbs-ins
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F)
25 mS @ 4-6 mA H 5.27" x W 3.25" x D 1.93"

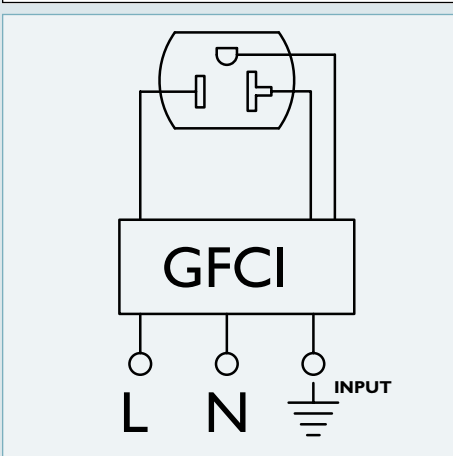


56 00 63 9
EM-DUO 120/15/GFI/AUX

20 Amp

Description	Order No.
EM-DUO 120/20/GFI	56 02 51 9

Listed Yes 125 V AC 20 A 30-10 5-7 lbs-ins
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F)
25 mS @ 4-6 mA H 5.27" x W 3.25" x D 1.93"

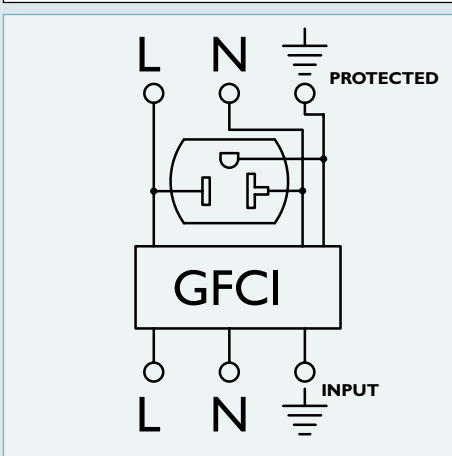


56 02 51 9
EM-DUO 120/20/GFI

20 Amp

Description	Order No.
EM-DUO 120/20/GFI/AUX	56 03 04 9

Listed No 125 V AC 20 A 30-10 5-7 lbs-ins
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F)
25 mS @ 4-6 mA H 5.27" x W 3.25" x D 1.93"

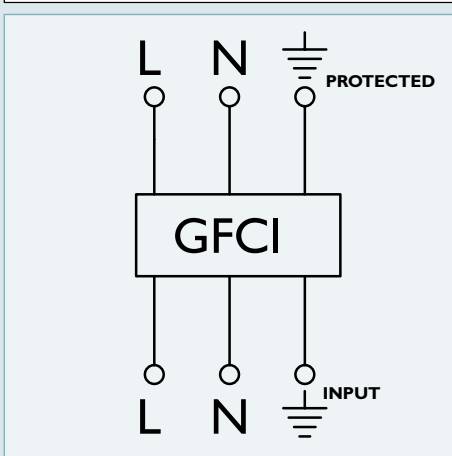


56 03 04 9
EM-DUO 120/20/GFI/AUX

20 Amp

Description	Order No.
EM-DUO 120/20/GFI/AUX/NO	56 02 19 2

Listed No 125 V AC 20 A 30-10 5-7 lbs-ins
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F)
25 mS @ 4-6 mA H 5.27" x W 3.25" x D 1.93"



56 02 19 2
EM-DUO 120/20/GFI/AUX/NO

Vertical or horizontal mounted outlets

These control cabinet outlets can be mounted vertically or horizontally on the DIN rail. The dual outlet package is a fully enclosed, dual utility outlet that offers two 120 V AC/15 A or 20 A receptacles. For enhanced safety, the grounding prevents shorting between the hot and neutral blades.



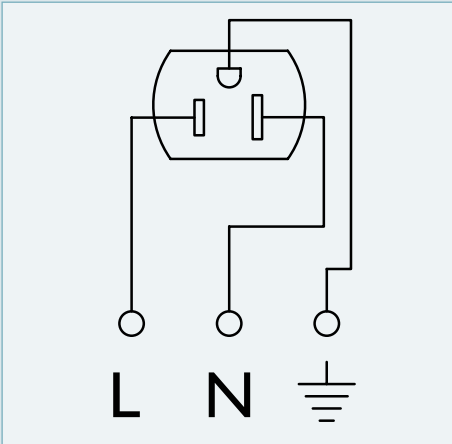
Vertical or Horizontal		
Description	Module Width (mm)	Module Length (mm)
DIN rail-mountable outlet (120 V AC/15 A)	82.6	134
DIN rail-mountable outlet (120 V AC/20 A)	82.6	134
Vertical or horizontal DIN rail-mountable GFI outlet (120 V AC/15 A)	82.6	134
Vertical or horizontal DIN rail-mountable GFI outlet (120 V AC/20 A)	82.6	134
Technical Data: General		
UL 508 Voltage Rating Current Rating Connection AWG Torque		
Technical Data: Housing		
Color Material Ambient Temperature Range Dimensions		

Standard 15 Amp	
Description	Order No.
EM-DUO 120/15/V/H	5604747
Listed 125 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	

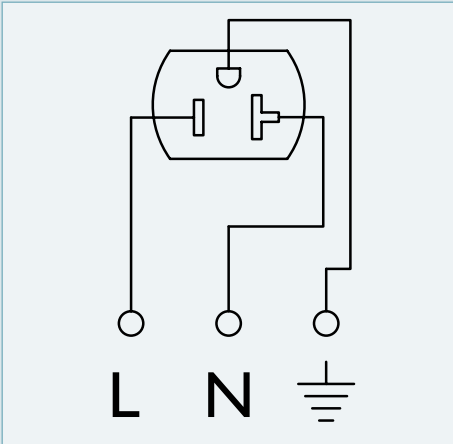
Standard 20 Amp	
Description	Order No.
EM-DUO 120/20/V/H	5604776
Listed 125 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	

15 Amp	
Description	Order No.
EM-DUO 120/15/GFI/V/H	5604775
Listed 125 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	

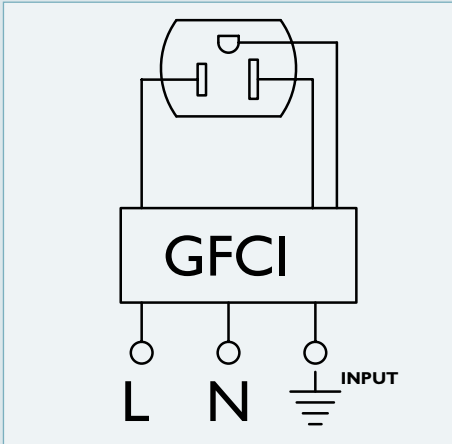
GFI 20 Amp	
Description	Order No.
EM-DUO 120/20/GFI/V/H	5604777
Listed 125 V AC 15 A 30-10 5-7 lbs-ins	
Ivory ABS-PC V0 (UL 94) -20°C to +50°C (-68°F to +122°F) H 5.27" x W 3.25" x D 1.93"	



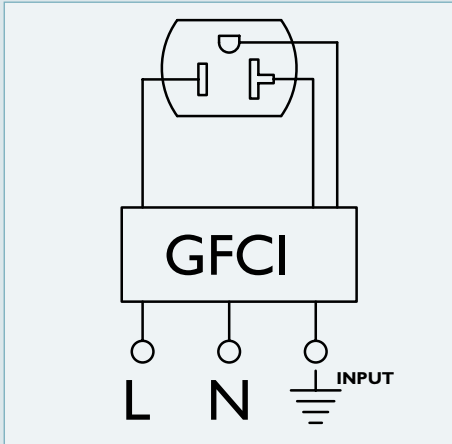
5604747
EM-DUO 120/15/V/H



5604776
EM-DUO 120/20/V/H



5604775
EM-DUO 120/15/GFI/V/H

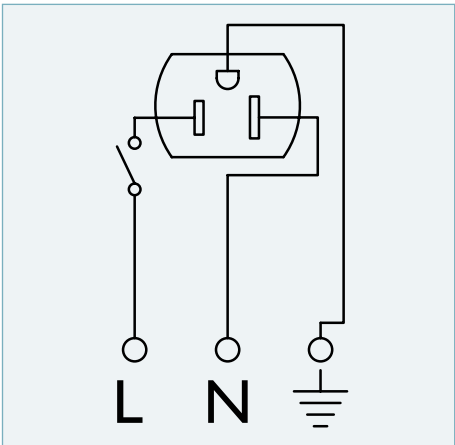


5604777
EM-DUO 120/20/GFI/V/H

Switch outlets

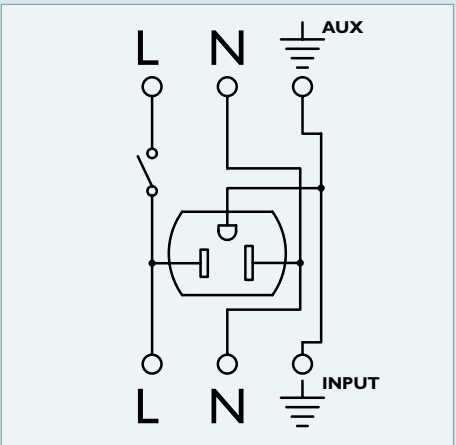
The switch outlets are fully enclosed utility outlets that offer 120 V/15 A or 20 A receptacles and an ON/ OFF toggle switch. This is quite useful for cabinets where lighting is used that has a standard power plug for an outlet. For status, the switch is equipped with a small indicator light that illuminates when the switch is activated and voltage is present.

There are three different versions of the switched outlets. The SWO version is turned on/off by the toggle switch. The SWA version allows devices downstream to be turned off by the toggle switch, while the outlet itself has constant power. The SWM version turns the outlet on and off as well as the auxiliary terminals.



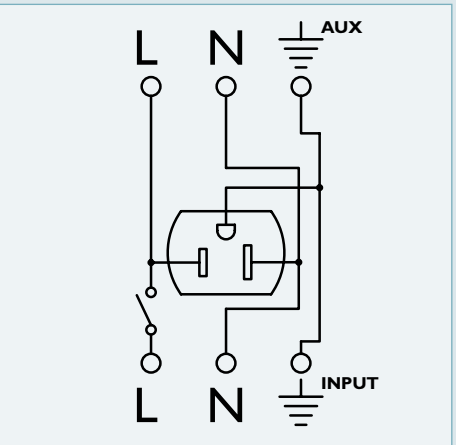
56 02 29 2
EM-DUO 120/15 SWO

Switched Outlets		
Description	Module Width (mm)	Module Length (mm)
DIN rail-mountable switched outlet (turns on/off outlet) (120 V AC/15 A)	82.6	134
DIN rail-mountable switched outlet w/auxiliary outputs (turns on/off auxiliary outputs) (120 V AC/15 A)	82.6	143.3
DIN rail-mountable GFI outlet w/auxiliary outputs (turns on/off outlet and auxiliary outputs) (120 V AC/15 A)	82.6	143.3
DIN rail-mountable switched outlet (turns on/off outlet) (120 V AC/20 A)	82.6	134
DIN rail-mountable switched outlet w/auxiliary outputs (turns on/off auxiliary outputs) (120 V AC/20 A)	82.6	143.3
DIN rail-mountable GFI outlet w/auxiliary outputs (turns on/off outlet and auxiliary outputs) (120 V AC/20 A)	82.6	143.3
Technical Data: General		
UL 508		
Voltage Rating		
Current Rating		
Connection AWG		
Torque		
Technical Data: Housing		
Color		
Material		
Ambient Temperature Range		
Dimensions		



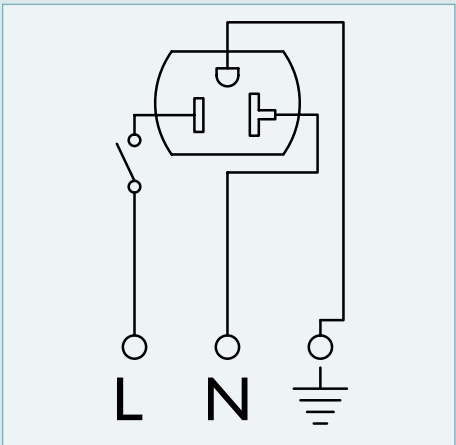
56 04 43 3
EM-DUO 120/15 SWA

15 Amp	
Description	Order No.
EM-DUO 120/15 SWO	56 02 29 2
EM-DUO 120/15 SWA	56 04 43 3
EM-DUO 120/15 SWM	56 04 43 4
Listed	
125 V AC	
15 A	
30-10	
5-7 lbs-ins	
Ivory	
ABS-PC V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	
H 5.27" x W 3.25" x D 1.93"	



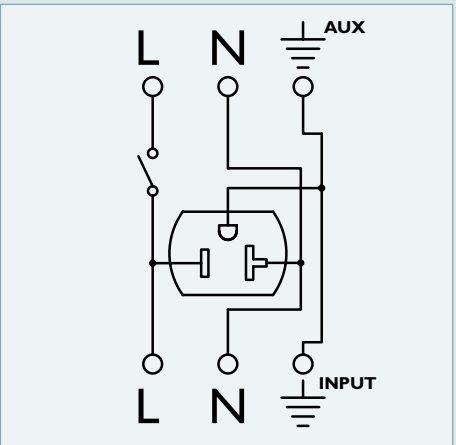
56 04 43 4
EM-DUO 120/15 SWM

20 Amp	
Description	Order No.
EM-DUO 120/20 SWO	56 03 89 0
Listed	
125 V AC	
20 A	
30-10	
5-7 lbs-ins	
Ivory	
ABS-PC V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	
H 5.27" x W 3.25" x D 1.93"	



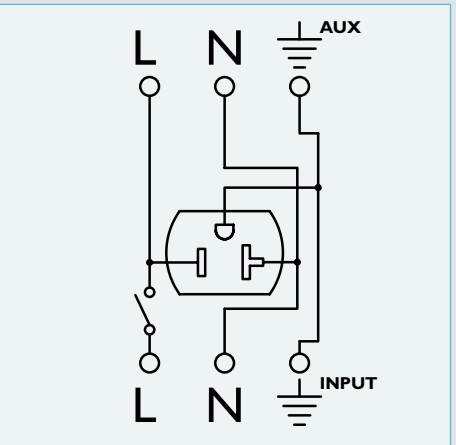
56 03 89 0
EM-DUO 120/20 SWO

20 Amp	
Description	Order No.
EM-DUO 120/20 SWA	56 04 43 5
Listed	
125 V AC	
20 A	
30-10	
5-7 lbs-ins	
Ivory	
ABS-PC V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	
H 5.27" x W 3.25" x D 1.93"	



56 04 43 5
EM-DUO 120/20 SWA

20 Amp	
Description	Order No.
EM-DUO 120/20 SWM	56 04 43 6
Listed	
125 V AC	
20 A	
30-10	
5-7 lbs-ins	
Ivory	
ABS-PC V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	
H 5.27" x W 3.25" x D 1.93"	



56 04 43 6
EM-DUO 120/20 SWM

Surge protected outlets

DIN rail-mount convenience outlet with Transient Voltage Surge Suppression (TVSS).

EM-DUO 120/15/SPD...

The dual utility outlet with surge protection device protects laptops, instrumentation, or other sensitive 120 V AC powered equipment from damage caused by transients on your AC-powered branch circuit.

The outlets are packaged in a touch-safe box to eliminate the possibility of accidental shock. Reliable connection can be achieved via an easy-to-wire screw clamp terminal block.

EM-DUO 120/15/SPD/AUX

This version features the benefit of hard-wired terminal blocks output, so, in addition to protecting the NEMA outlet, you can protect other loads connected to the power distribution.

Features and benefits:

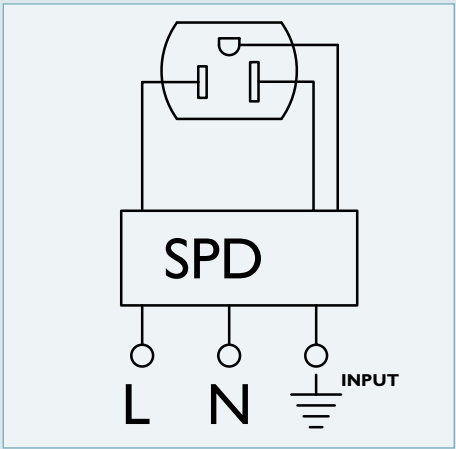
- DIN rail-mountable surge protected utility outlet makes control cabinet installation fast and easy
- Each 120 V AC outlet is protected against transient voltages, increasing system reliability
- Robust PVC housing is fully isolated
- Available with terminal block outputs to protect additional hard-wired loads
- Diagnostic monitoring of protection status with local failure indication – provides users with maximum protection reliability
- UL-1449 second edition listed
- UL 508 listed



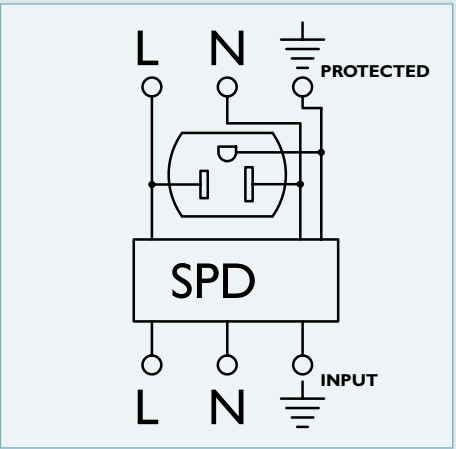
Surge Protected Outlets		
Description	Module Width (mm)	Module Length (mm)
DIN rail-mountable surge protected outlet (120 V AC/15 A)	82.6	134
DIN rail-mountable surge protected outlet w/auxiliary outputs (120 V AC/15 A)	82.6	143.3
Technical Data: General		
UL-1449		
UL 508		
Nominal Line Voltage		
Nominal Current Rating		
Connection AWG		
Torque		
Technical Data: Housing		
Color		
Material		
Ambient Temperature Range		
Technical Data: Surge Protection Data		
Nominal Line Voltage		
Response Time		
Protection Mode		
Maximum Surge Current		
Protection Level (SVR)		
Dimensions		

15 Amp	
Description	Order No.
EM-DUO 120/15/SPD	56 01 28 3
Recognized	
Recognized	
125 V AC	
15 A	
30-10	
5-7 lbs-ins	
Ivory	
ABS-PC V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	
120 V AC +10% to 15%	
£5hS	
Normal or common mode	
5 kA (8 x 20mS)	
500 V	
H 5.27" x W 3.25" x D 1.93"	

15 Amp	
Description	Order No.
EM-DUO 120/15/SPD/AUX	56 04 06 3
Recognized	
Recognized	
125 V AC	
15 A	
30-10	
5-7 lbs-ins	
Ivory	
ABS-PC V0 (UL 94)	
-20°C to +50°C (-68°F to +122°F)	
120 V AC +10% to 15%	
£5hS	
Normal or common mode	
5 kA (8 x 20mS)	
500 V	
H 5.27" x W 3.25" x D 1.93"	



56 01 28 3
EM-DUO 120/15/SPD



56 04 06 3
EM-DUO 120/15/SPD/AUX

Notes

Notes

Ongoing communication with customers and partners worldwide

Phoenix Contact is a global, market leader based in Germany. Our group is known for its future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation.

With a global network reaching across more than 100 countries and 14,500 employees, we can stay in close contact with our customers, something we believe is essential to success. The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for multiple applications and industries. We especially focus on the fields of energy, infrastructure, process, and factory automation.



You will find our complete product range at:
www.phoenixcontact.com

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