



Hoffman

ENCLOSURES ACCESSORIES



MORE FEATURES, CONVENIENCE AND SECURITY FOR YOUR ENCLOSURE

With its wide range of mounting accessories Hoffman offers more security for your enclosure. This large selection of components and accessories includes also power management and distribution inside the cabinet, options to promote enclosures security and accessories to add user and installer convenience . Use this offer to create a custom unique enclosure that suits your application.

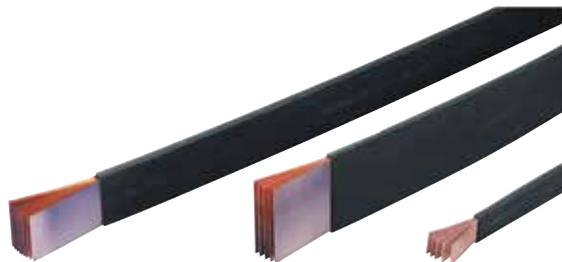


ENCLOSURES ACCESSORIES

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ERIFLEX OPTIMIZE ELECTRICAL POWER & GROUNDING CONNECTIONS



ERIFLEX FLEXIBAR

Flexible Busbar

- ERIFLEX FLEXIBAR is a heavy-duty power interconnection that offers a superior alternative to large and multiple cables, and rigid busbars.
- Flat, flexible low-voltage power and grounding connections are formed with multiple layers of thin electrolytic copper, and insulated with high-resistance, self-extinguishing PVC or silicone compound.
- With no need for lugs, ERIFLEX FLEXIBAR helps eliminate faulty connection problems, and makes installation simpler, faster and cleaner.
- The wide variety of bending, twisting and folding possibilities optimizes panel design and reduces space requirements.
- ERIFLEX FLEXIBAR overcomes vibration/alignment problems.
- A full range of sizes is available from 27 mm² up to 1200 mm² and 125 A to 2800 A.
- ERIFLEX FLEXIBAR is 100% production dielectric tested, and meets all requirements of IEC 60439.1 & IEC 61439.1.

BRAIDS

- The ideal alternative to cable, all ERIFLEX braids are easy to install, with no additional cutting, stripping, crimping and punching needed.
- Insulated braided conductors provide excellent electrical contact and are suitable for all molded case circuit breakers worldwide.
- Ground copper braids with integral palm offer superior electrical contact and tensile strength resistance.
- High-quality 316L stainless steel braids offer superior abrasion, corrosion, chemical and UV resistance for outdoor applications.



BLOCKS

- ERIFLEX offers an extensive range of power blocks and distribution blocks for safe and easy connections.
- Single-pole distribution block designs allow visual inspection of conductor and confirmation of connection.
- The SBLT and SBTT range of power terminals provide high-quality, reliable connections between two electrical circuits, such as cables and/or ERIFLEX FLEXIBAR in the panel.
- Four-pole distribution blocks feature an improved design, with solid bars for greater reliability.
- ERIFLEX offers a wide selection of compact halogen free single pole, two pole, and four pole distribution blocks and a complete range of assembly support products for easy fastening to DIN rails or steel sheet. The blocks offer easy assembly with visual inspection to allow for confirmation of connections to a wide range of conductors including ERIFLEX FLEXIBAR and IBSB/IBSBR. The high fill ratio ensures optimal electrical connectivity even in tight assemblies.
- ERICO Power Blocks are the main DIN mounted output/input devices for connection between primary and secondary switchboard, or main input/output connection for machine or industrial equipment. The high short circuit rated large cross section blocks offer time savings and reliability in every panel configuration. The complete Power Blocks range offers multiple connection possibilities with one cable, two cables, ERIFLEX FLEXIBAR, and IBSB/IBSBR power braids.

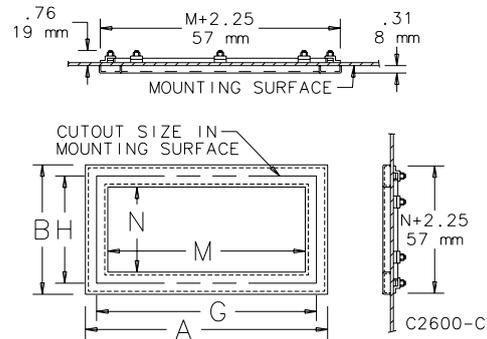
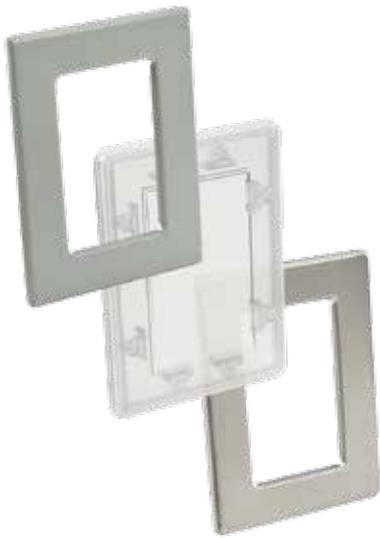


ACCESSORIES

- ERIFLEX offers a wide range of accessories to help optimize panel design and ease installation of components.
- Low-voltage insulators offer great stability of electrical and mechanical parameters and very high resistance to leakage current.
- Clamps allow excellent electrical contact and quick configuration, even in small spaces; ideal for "on site" modifications.
- ERIFLEX FLEXIBAR Busbar Hydraulic Work Center includes all the necessary tools to quickly cut, bend and punch ERIFLEX FLEXIBAR sections to suit individual applications.
- ERIFLEX FLEXIBAR Manual Work Center includes easy-to-use hand tools to shear, bend, twist and fold ERIFLEX FLEXIBAR sections to suit individual applications.



STEEL, STAINLESS STEEL AND NON-METALLIC WINDOW KITS



INDUSTRY STANDARDS

UL 508A Component Recognized; Type 4, 4X (stainless steel and non-metallic versions only), 12, 13; File No. E61997.
 UL 746C Component Recognized (non-metallic version only).

CSA Type 4, 4X (stainless steel and non-metallic versions only), 12,13; File No. 42186
 NEMA/EEMAC 4, 4X (stainless steel and non-metallic versions only), 12, 13
 IEC 60529, IP66



Steel Window Kits have a heavy gauge cold rolled steel formed frame (cleaned and treated for paint endurance and adhesion), painted ANSI 61 gray. The window is a clear acrylic .25-in. (6 mm) scratch-resistant material. They are ideal for indoor Type 12 and 13 applications.

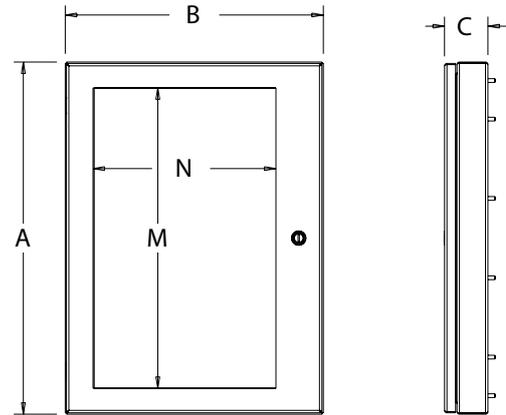
Stainless Steel Window kits have a formed heavy gauge Type 304 stainless steel frame with a brushed finish. The clear window is made of .25-in. (6 mm) impact-resistant polycarbonate material. They are ideal for indoor and outdoor Type 12, 13, 4, and 4X applications.

Non-Metallic Window kits are made of a single piece special polycarbonate blend, Makrolon, that has enhanced impact, UV, water exposure, absorption, and saturation resistance. They are ideal for indoor and outdoor Type 12, 13, 4, and 4X applications. They are also ideal for non-metallic enclosures where exterior metallic materials are not allowed and can accommodate up to .25-in. (6 mm) enclosure material thickness. All Window kits are easy to install and require a simple rectangular enclosure cut-out. All required hardware is furnished, along with assembly and cut-out instructions. The gasket material on all windows is resistant to oils, cutting fluids and many other liquids. Window kits of the same size use the same interchangeable cutout. Custom sizes for Steel and Stainless Steel Window Kits are available along with different finishes and gasket materials.

Item number	A x B x C (in.)	A x B x C (mm)	Material	Window Size M x N (in.)	Window Size M x N (mm)	Required Cutout Size G x H (in.)	Required Cutout Size G x H (mm)
APWK53NF	7.50 x 5.50 x 0.31	191 x 140 x 8	Steel	5.00 x 3.00	127 x 76	6.78 x 4.78	172 x 121
APWK53NFSS	7.50 x 5.50 x 0.31	191 x 140 x 8	Stainless Steel	5.00 x 3.00	127 x 76	6.78 x 4.78	172 x 121
APWK53NFNM	7.62 x 5.62 x 0.63	194 x 143 x 16	Non-metallic	5.00 x 3.00	127 x 76	6.78 x 4.78	172 x 121
APWK711NFSS	9.50 x 13.50 x 0.31	241 x 343 x 8	Stainless Steel	11.00 x 7.00	279 x 178	8.78 x 12.78	223 x 325
APWK95NF	11.50 x 8.00 x 0.31	292 x 203 x 8	Steel	9.00 x 5.50	229 x 140	10.78 x 7.28	274 x 185
APWK95NFSS	11.50 x 8.00 x 0.31	292 x 203 x 8	Stainless Steel	9.00 x 5.50	229 x 140	10.78 x 7.28	274 x 185
APWK133NF	15.50 x 5.50	394 x 140	Steel	13.00 x 3.00	330 x 76	14.78 x 4.78	375 x 121
APWK138NF	15.50 x 10.50 x 0.31	394 x 267 x 8	Steel	13.00 x 8.00	330 x 203	14.78 x 9.78	375 x 248
APWK138NFSS	15.50 x 10.50 x 0.31	394 x 267 x 8	Stainless Steel	13.00 x 8.00	330 x 203	14.78 x 9.78	375 x 248
APWK715NFSS	17.50 x 9.50	445 x 241	Stainless Steel	15.00 x 7.00	381 x 178	8.78 x 16.78	223 x 426
APWK175NF	19.50 x 8.00 x 0.31	495 x 203 x 8	Steel	17.00 x 5.50	432 x 140	18.78 x 7.28	477 x 185
APWK1711NF	19.50 x 13.50 x 0.31	495 x 343 x 8	Steel	17.00 x 11.00	432 x 279	18.78 x 12.78	477 x 325
APWK1711NFSS	19.50 x 13.50 x 0.31	495 x 343 x 8	Stainless Steel	17.00 x 11.00	432 x 279	18.78 x 12.78	477 x 325
APWK720NFSS	22.50 x 9.50	572 x 241	Stainless Steel	20.00 x 7.00	508 x 178	8.78 x 21.78	223 x 553
APWK2315NF	25.50 x 17.50 x 0.31	648 x 445 x 8	Steel	23.00 x 15.00	584 x 381	24.78 x 16.78	629 x 426
APWK2315NFSS	25.50 x 17.50 x 0.31	648 x 445 x 8	Stainless Steel	23.00 x 15.00	584 x 381	24.78 x 16.78	629 x 426
APWK724NFSS	26.50 x 9.50	673 x 241	Stainless Steel	24.00 x 7.00	610 x 178	8.78 x 25.78	223 x 655
APWK729NFSS	31.50 x 9.50	800 x 241	Stainless Steel	29.00 x 7.00	737 x 178	8.78 x 30.78	223 x 782
APWK2919NF	31.50 x 21.50	800 x 546	Steel	29.00 x 19.00	737 x 483	30.78 x 20.78	782 x 528
APWK2919NFSS	31.50 x 21.50	800 x 546	Stainless Steel	29.00 x 19.00	737 x 483	30.78 x 20.78	782 x 528
APWK3523NF	37.50 x 25.50	953 x 648	Steel	35.00 x 23.00	889 x 584	36.78 x 24.78	934 x 629

When determining if a window kit will fit in a door or cover, be sure to allow for gaskets, data pockets, door handles, latch rods and other parts attached to the door or cover.

TYPE 4 AND 4X DEEP-HINGED WINDOW KITS



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INDUSTRY STANDARDS

Stainless Steel

UL 508A Listed; Type 3R, 4, 4X, 12; File No. E61997
 cUL Listed per CSA C22.2, No. 94; Type 3R, 4, 4X, 12; File No. E61997

NEMA/EEMAC Type 3R, 4, 4X, 12
 IEC 60529, IP66



Mild Steel

UL 508A Listed; Type 4, 12; File No. E61997
 cUL Listed per CSA C22.2 No. 94; Type 4, 12; File No. E61997

NEMA/EEMAC Type 4, 12

APPLICATION

Deep-hinged window kits provide protection, visibility and easy access to equipment and components installed behind the viewing area. Window kits are conveniently sized to allow direct mounting in the usable door area of Hoffman NEMA and CONCEPT wall-mount enclosures, as well as any Hoffman enclosure with a suitably sized mounting surface. Deep-hinged window kits provide protection, visibility and easy access to equipment and components installed behind the viewing area. These kits have an aesthetic appearance, quarter-turn latching for easy access, .25-in. (6,0 mm) thick, clear polycarbonate material for viewing, 2.5-in. (64,0 mm) depth to allow for deep controls and a built-in gasket compression stop to facilitate flush mounting. Each kit comes with a mounting template and hardware to allow for easy installation and can be mounted either left or right hinged.

ACCESSORIES

Touch-up Paint (ATPPY61)

OPTIONS

Optional Handles

- CWHNL** - Non locking
- CWHK** - Keylocking
- CWHPTO** - Padlocking

SPECIFICATIONS

- Manufactured from Type 316L stainless steel or painted mild steel
- Quarter-turn latches for quick access
- 0.25-in. (6,0 mm) thick, clear polycarbonate windows for easy viewing
- 2.5-in. (64,0 mm) deep to allow for deep controls
- Built-in gasket compression stop on back of window kit facilitates flush mounting
- Designed for either left or right hinging
- Includes mounting template and mounting hardware
- Easy-to-remove clip-style hinge pin

FINISH

Stainless steel: Enclosures are unpainted; door and body have a smooth #4 brushed finish
 Mild steel: ANSI 61 gray polyester powder paint inside and out

STANDARD PRODUCT

Item Number	A x B x C (in./mm)	Material	Window Size M x N (in./mm)	No. of Latches
AWDH1418N4	12.19 x 14.56 x 2.73 310 x 370 x 69	Steel	8.68 x 9.83 220 x 250	1
AWDH1418N4SS	12.19 x 14.56 x 2.73 310 x 370 x 69	316L Stainless steel	8.68 x 9.83 220 x 250	1
AWDH1612N4	14.19 x 8.14 x 2.73 360 x 207 x 69	Steel	10.68 x 3.41 271 x 87	1
AWDH1612N4SS	14.19 x 8.14 x 2.73 360 x 207 x 69	316L Stainless steel	10.68 x 3.41 271 x 87	1
AWDH2016N4	18.19 x 12.14 x 2.73 462 x 308 x 69	Steel	14.68 x 7.41 373 x 188	1
AWDH2016N4SS	18.19 x 12.14 x 2.73 462 x 308 x 69	316L Stainless steel	14.68 x 7.41 373 x 188	1
AWDH2416N4	22.19 x 12.14 x 2.73 564 x 308 x 69	Steel	18.68 x 7.41 474 x 188	2
AWDH2416N4SS	22.19 x 12.14 x 2.73 564 x 308 x 69	316L Stainless steel	18.68 x 7.41 474 x 188	2
AWDH2420N4	22.19 x 16.14 x 2.73 564 x 410 x 69	Steel	18.68 x 11.41 474 x 290	2
AWDH2420N4SS	22.19 x 16.14 x 2.73 564 x 410 x 69	316L Stainless steel	18.68 x 11.41 474 x 290	2
AWDH2430N4	22.19 x 26.14 x 2.73 564 x 664 x 69	Steel	18.68 x 20.22 474 x 514	2
AWDH2430N4SS	22.19 x 26.14 x 2.73 564 x 664 x 69	316L Stainless steel	18.68 x 20.22 474 x 514	2
AWDH3024N4	28.19 x 20.14 x 2.73 716 x 512 x 69	Steel	24.68 x 14.22 627 x 361	2
AWDH3024N4SS	28.19 x 20.14 x 2.73 716 x 512 x 69	316L Stainless steel	24.68 x 14.22 627 x 361	2
AWDH3624N4	34.19 x 20.14 x 2.73 868 x 512 x 69	Steel	30.68 x 14.22 779 x 361	2
AWDH3624N4SS	34.19 x 20.14 x 2.73 868 x 512 x 69	316L Stainless steel	30.68 x 14.22 779 x 361	2

DOOR STOP KIT



Designed for use on most standard Hoffman Type 4 and 12 enclosures to secure the door in the open position. Enclosures must have a "B" dimension of 16.00 in. (406 mm) or more and a door which opens horizontally. Door Stop Kit can be mounted at the top or bottom of the door opening after drilling two small holes in the body of the enclosure and two small holes in the door. The angle of the door is easily adjusted by means of a wingnut, and the stop arm slides neatly out of the way when the door is closed. All parts are plated. Maintains UL/CSA Type 4 and Type 12 if properly installed in a Hoffman enclosure. Door Stop Kit is not intended for use on CONCEPT window door enclosures, or enclosures configured with a swing-out panel or swing-out rack frame.

Item number	Description
ADSTOPK	Door Stop Kit

TYPE 316 STAINLESS STEEL DOOR STOP KIT



APPLICATION

Type 316 stainless steel door stop kit is available for use in applications that require the kind of corrosion protection that only Type 316 stainless steel can provide. Typical applications include water treatment, pulp, paper, petroleum, chemical, food and pharmaceutical processing, and packaging. Kit includes all mounting hardware. Secures doors in the open position. Can be mounted at either top or bottom of door. Can be installed on either left- or right-hinged doors. Maintains an enclosure's Type 4X rating. Easy to install. Mounting hardware is Type 316 stainless steel. This door stop kit can be mounted in large and wall-mount enclosures.

FEATURES

- Can be mounted at either top or bottom of door
- Can be installed on either left- or right-hinged doors
- Maintains an enclosure's Type 4X rating
- Easy to install

SCOPE OF DELIVERY

- Kit, including mounting hardware, constructed of Type 316 stainless steel

Item number	Description
ADSTOPKSS6	Type 316 stainless steel door stop kit

LARGE ENCLOSURE DOOR STOP KIT



Designed for use with most standard, large mild and stainless steel enclosures to secure the door in the 90 degree open position. Door Stop Kit can be mounted at the top or bottom of the door opening after drilling two small holes in the door and enclosure. All parts are plated. Maintains UL/CSA Type 4 and Type 12 if properly installed in a Hoffman enclosure.

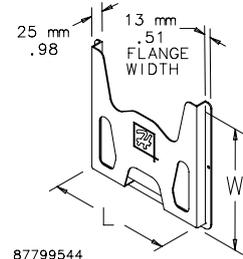
Item number	Description
ALGDSTOP2	Large Enclosure Door Stop Kit

THERMOPLASTIC DATA POCKET



Provides a convenient place to store wiring diagrams, operation manuals and other documentation inside the enclosure. Adhesive-backed pockets mount inside the solid enclosure cover. Mounting hardware included. Thermoplastic pockets are dark gray and have cut-away areas for easy inspection of contents.

Item number	Description	Size L x W (in./mm)
ADP1	Small pocket	6.00 x 6.00 152 x 152
ADP2	Large pocket	12.00 x 12.00 305 x 305



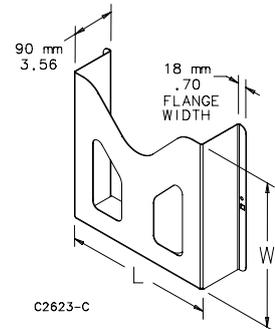
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METAL DATA POCKET



Three-inch (76 mm) deep Metal Data Pocket provides a convenient place to store wiring diagrams, operation manuals and other documentation inside the enclosure. Large enough to store 3-ring binders. Mounted hardware is included. Painted white and has cut-away areas for easy inspection of contents.

Item number	Fits A x B (in./mm)	Size L x W (in./mm)
ADP3	greater than or equal to 30.00 x 24.00	12.00 x 12.00 305 x 305
	greater than or equal to 762 x 610	



C2623-C

HOL-SEALERS HOLE SEALS



INDUSTRY STANDARDS

Steel Hole Seals

UL 508A Component Recognized; Type 3R, 4, 12, 13; File No. E61997

CSA File No. 42186; Type 3R, 4, 12, 13
 NEMA/EEMAC Type 3R, 4, 12, 13
 IEC 60529, IP66

Stainless Steel Hole Seals

UL 508A Component Recognized; Type 3R, 4, 4X, 12, 13; File No. E61997

CSA File No. 42186; Type 3R, 4, 4X, 12, 13
 NEMA/EEMAC Type 3R, 4, 4X, 12, 13
 IEC 60529, IP66

SPECIFICATIONS

Steel Models

- 1,3 mm thick galvanized steel backplate
- Plated stud (10-32x5/8) and wing nut

Stainless Steel Models

- 1,3 mm thick stainless steel backplate
- Seal, backplate, stud (10-24x5/8) and wing nut are 300 series stainless steel

FINISH

Steel seals have polyester powder paint finish over galvanized front surface.

Stainless steel seals have polished front surface.



APPLICATION

Seal extra pushbutton holes, conduit openings and knockout openings against dust, dirt, oil and water with Hoffman Hol-Sealers. Seals will cover any size or shape of hole from .19-in. diameter to maximum diameter shown in table. Can be used on enclosure walls up to .31-in. (8,0 mm) thick.

FEATURES

- Available in multiple colors and sizes
- Oil-resistant gasket provided

STANDARD PRODUCT

Item number	Material	Finish/Color	For	Maximum Hole Diameter (in./mm)	Hol-Sealer Diameter (in./mm)
AS056M	Steel	ANSI 61 gray	Micro	0.56 14	0.80 20
AS056MSS	Stainless Steel	Stainless Steel	Micro	0.56 14	0.80 20
AS056MLG	Steel	Light gray	Micro	0.56 14	0.80 20
ASPBG	Steel	ANSI 61 gray	22.5 mm pushbutton holes	0.88 22	1.22 31
ASPBGSS	Stainless Steel	Stainless Steel	22.5 mm pushbutton holes	0.88 22	1.22 31
AS050	Steel	ANSI 61 gray	1/2-in. conduit holes	0.88 22	1.38 35
AS050SS	Stainless Steel	Stainless Steel	1/2-in. conduit holes	0.88 22	1.38 35
AS075	Steel	ANSI 61 gray	3/4-in. conduit holes	1.06 27	1.56 40
AS075SS	Stainless Steel	Stainless Steel	3/4-in. conduit holes	1.06 27	1.56 40
AS075LG	Steel	Light gray	3/4-in. conduit holes	1.06 27	1.56 40
ASPB	Steel	ANSI 61 gray	30.5 mm pushbutton holes	1.25 32	1.75 44
ASPBSS	Stainless Steel	Stainless Steel	30.5 mm pushbutton holes	1.25 32	1.75 44
AS100	Steel	ANSI 61 gray	1-in. conduit holes	1.38 35	1.88 48
AS100SS	Stainless Steel	Stainless Steel	1-in. conduit holes	1.38 35	1.88 48
AS125	Steel	ANSI 61 gray	1 1/4-in. conduit holes	1.69 43	2.19 56
AS125SS	Stainless Steel	Stainless Steel	1 1/4-in. conduit holes	1.69 43	2.19 56
AS125LG	Steel	Light gray	1 1/4-in. conduit holes	1.69 43	2.19 56
AS150	Steel	ANSI 61 gray	1 1/2-in. conduit holes	2.00 51	2.50 64
AS150SS	Stainless Steel	Stainless Steel	1 1/2-in. conduit holes	2.00 51	2.50 64
AS200	Steel	ANSI 61 gray	2-in. conduit holes	2.50 64	3.00 76
AS200SS	Stainless Steel	Stainless Steel	2-in. conduit holes	2.50 64	3.00 76
AS250	Steel	ANSI 61 gray	2 1/2-in. conduit holes	3.00 76	3.50 89
AS250SS	Stainless Steel	Stainless Steel	2 1/2-in. conduit	3.00 76	3.50 89
AS300	Steel	ANSI 61 gray	3-in. conduit holes	3.62 92	4.12 105
AS300SS	Stainless Steel	Stainless Steel	3-in. conduit holes	3.62 92	4.12 105
AS350	Steel	ANSI 61 gray	3 1/2-in. conduit holes	4.12 105	4.62 117
AS350SS	Stainless Steel	Stainless Steel	3 1/2-in. conduit holes	4.12 105	4.62 117
AS400	Steel	ANSI 61 gray	4-in. conduit holes	4.62 117	5.12 130
AS400SS	Stainless Steel	Stainless Steel	4-in. conduit holes	4.62 117	5.12 130

LED ENCLOSURE LIGHTS OVERVIEW



INDUSTRY STANDARDS

LED Light

UL 508A Component Recognized; File No. E234324
 cUL Component Recognized per CSA C22.2 No 14; File No. E234324

CE
 Ingress protection : IP 20
 Maintains enclosure type rating up to 4X when installed per instructions



APPLICATION

Versatile, slim-profile LED provides mounting flexibility and are easy to install in any enclosure. Terminal blocks allow for easy wiring. Accessories include ganging cables, power cords and door switches, all provided with plug-and-play connectors for easy connection to the terminal blocks with an innovative terminal connection system. LED version provides superior lighting performance with minimal power consumption.

FEATURES

- Slim profile allows light to be tucked up out of the way for easy panel installation
- Versatile mounting allows the light to be positioned horizontally or vertically; two-way mounting provides for ideal orientation
- Includes mounting hardware for the following enclosure installations: PROLINE Frame, Enclosure Top, Panel Mount and Unistrut
- On/off switch incorporated in light; optional remote door switch accessory available to activate light when enclosure door is opened (230 VAC Fluorescent Enclosure Light has switch or door-activated sensor)

LED Light:

Mechanical screw- or magnetic mount (non-slip rubberized)
 Protection Class II (double insulated)
 Operating temperature -22 °F to 140 °F (-30°C to 60°C)
 On / Off or motion-sensor activation
 LED lights with 400 LM illumination; 120° angle of illumination
 Low, 5-watt power requirement
 Light-weight, all-composite construction
 Input and output connectors included with light (16 AWG)

SPECIFICATIONS

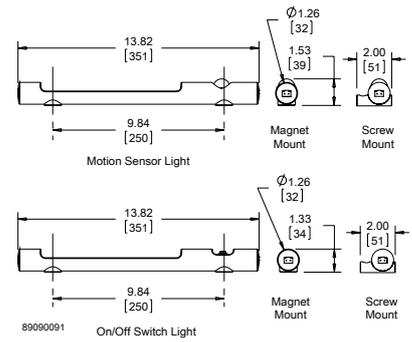
LED Light:

- LED (Light Emitting Diode) low-power light kit
- Screw mounting using included hardware kit (maintains enclosure rating up to UL Type 4X)
- No user-serviceable parts
- Life expectancy of 60,000 hours at 68 °F (20°C) under specifications
- Operating temperature: -22 to +140 °F (-30 to +60°C) under specifications
- 5 Watt power consumption
- Transparent, composite construction

LED LIGHT KIT



LED light kits provide interior enclosure lighting. These light kits are ideal for remote and darkened enclosure applications. The light can be mechanically fastened with included hardware to maintain enclosure UL listing (up to Type 4X), or can be magnetically attached to flat steel surfaces. The lights have auto-sensing circuitry (AC voltage 90 VAC to 260 VAC and DC voltage 20 VDC to 60 VDC). LED lights are light-weight and in a small form factor while providing 400 LM of 6000-7000K light. Power consumption for all models is 5 Watt.



Item number	A x B x C (in./mm)	Weight (oz)	Weight [g]	Mounting Style	Power Source	Activation	Voltage
LEDA1M35	1.34 x 1.26 x 13.82 34 x 32 x 351	4.8	135	Magnetic	AC	On/off switch	90 VAC-260 VAC
LEDA2M35	1.54 x 1.26 x 13.82 39 x 32 x 351	5.0	140	Magnetic	AC	IR Motion Sensor	90 VAC-260 VAC
LEDA1S35	1.42 x 2.05 x 13.82 36 x 52 x 351	4.8	135	Screw	AC	On/off switch	90 VAC-260 VAC
LEDA2S35	1.63 x 2.05 x 13.82 41 x 52 x 351	5.0	140	Screw	AC	IR Motion Sensor	90 VAC-260 VAC
LEDD1M35	1.34 x 1.26 x 13.82 34 x 32 x 351	4.8	135	Magnetic	DC	On/off switch	20 VDC-60 VDC
LEDD2M35	1.54 x 1.26 x 13.82 39 x 32 x 351	5.0	140	Magnetic	DC	IR Motion Sensor	20 VDC-60 VDC
LEDD1S35	1.42 x 2.05 x 13.82 36 x 52 x 351	4.8	135	Screw	DC	On/off switch	20 VDC-60 VDC
LEDD2S35	1.63 x 2.05 x 13.82 41 x 52 x 351	5.0	140	Screw	DC	IR Motion Sensor	20 VDC-60 VDC

LED LIGHT INPUT CONNECTOR/CABLE ASSEMBLY



The input connector/cable assembly is used to provide supply power to the LED light. Pre-assembled connector/cable assembly with 78.7-in. (2000 mm) long cable whip. Cables are constructed of 16 AWG copper wire.

Item number	A (in./mm)	Power Source	Use with
LEDA20C	78.74 2000	AC	AC LED Lights
LEDD20C	78.74 2000	DC	DC LED Lights

LED LIGHT EXTENSION CONNECTOR/CABLE ASSEMBLY



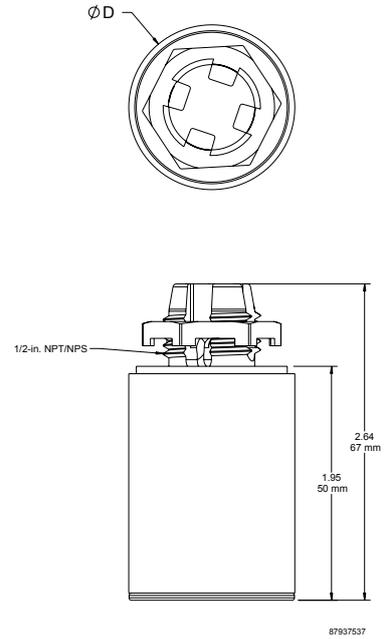
The extension connector/cable assembly is used to connect adjacent LED lights (daisy chain). Up to 10 LED lights can be ganged or connected in series. Pre-assembled connector/cable assembly with 39.4-in. (1000 mm) long cable between input and output connectors. Cables are constructed of 16 AWG copper wire.

Item number	A (in./mm)	Power Source	Use with
LEDA10E	39.37 1000	AC	AC LED Lights
LEDD10E	39.37 1000	DC	DC LED Lights

H2OMIT VENT DRAINS, TYPE 4X



H2OMIT Vent Drains



INDUSTRY STANDARDS

Maintains UL/cUL Type 4, 4X rating when properly installed on a UL/cUL Type 4 or 4X enclosure.

UL 508A Listed; Type 4, 4X; File No. E61997
 cUL Listed per CSA C22.2 No 94; Type 4, 4X; File No. E61997

NEMA/EEMAC Type 4, 4X
 IEC 60529, IP66



APPLICATION

H2OMIT Vent Drains allow accumulated water to drain out the bottom of an enclosure. The UL-approved vent drains also function as an air pressure equalizer, reducing the harmful effects of temperature-induced vacuums that could pull water and moisture into the enclosure.

FEATURES

- Uses gravity to remove collected liquids
- One-way mechanical shut-off when pressure is equalized prevents water and contaminants from entering the enclosure
- Helps reduce corrosion that can limit the life of internal electrical and electronic components
- Installs in a 7/8-in. hole in the bottom of enclosure with provided nut or in a 1/2-in. NPT/NPS threaded conduit hub
- Installs in the bottom of mild steel, aluminum, stainless steel or non-metallic enclosures
- Maintains enclosure's UL Type rating when properly installed

SPECIFICATIONS

Stainless Steel Vent Drain

Corrosion-resistant polyester material with a Type 304 stainless steel sleeve

50,8 mm long x 35 mm outside diameter

Non-Metallic Drain Vent

Corrosion-resistant polyester material

50,8 mm long x 32 mm outside diameter

STANDARD PRODUCT

Item number	Description	D (in.)	D (mm)	Quantity
AVDR4NM	Non-metallic Vent Drain	1.25	32	1
AVDR4SS4	Stainless Steel Vent Drain	1.38	35	1

NOTES:

H20MIT THERMOELECTRIC DEHUMIDIFIER



Vent Drain
Sold Separately

INDUSTRY STANDARDS

UL 508A Listed; File No. E61997
cUL Listed per C22.2 No. 14; File No. E61997

CE



APPLICATION

The H20MIT Thermoelectric Dehumidifier removes moisture from the air within an enclosure, providing an inexpensive yet highly effective way to protect electronic and electrical components from condensation.

SCOPE OF DELIVERY

- Four feet of plastic hose
- Two hose retainers
- One double-ended hose retainer
- Six inches of Velcro®
- Seven-inch strip of DIN rail
- Two mounting screws

FEATURES

- Reduces corrosion that can limit the life of internal electrical and electronic components
- Condenses moisture from internal enclosure air and standing liquids

- Built-in drain provision with plastic hose directs collected moisture to the Vent Drain (sold separately)
- Rotating side air vents direct recirculating air away from critical controls
- Mounts via DIN rail on internal panel or mounts directly onto the inside bottom of enclosure above the Vent Drain (sold separately)
- Can be used in mild steel, aluminum, stainless steel and non-metallic enclosures

SPECIFICATIONS

- High-impact ABS shell
- Operates on 24 Volt DC power
- 4.5 A max. (84 W)
- Runs continuously above 0 °C (power supply not included)
- Removes 235 g of moisture in 24 hours
- Compact 150 mm x 135 mm x 142 mm design

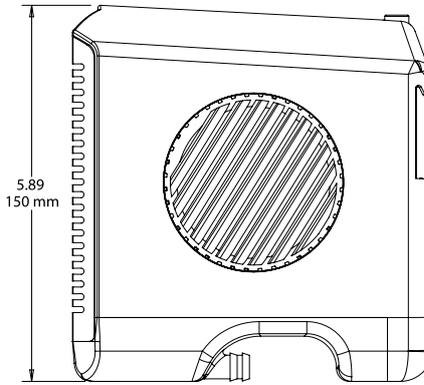
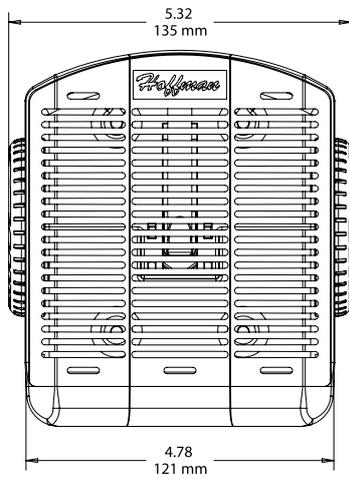
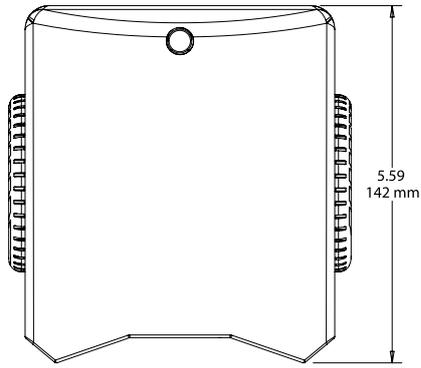
Must be used with UL-certified drain to remove pooled liquid from enclosure.

^aIf continual operation is not desired, a Mechanical Hygrostat (AMHUM) can be wired to the thermoelectric dehumidifier and then set to turn the dehumidifier on at the desired relative humidity.

VELCRO is a trademark of Velcro Industries B.V.

STANDARD PRODUCT

Item number	Description
H20MITTER	Thermoelectric Dehumidifier



87937538

STAINLESS STEEL PRESSURE COMPENSATION



INDUSTRY STANDARDS

CE
NEMA Type 4X
IEC/EN 60529, IP66



APPLICATION

Pressure differentials in a tightly sealed enclosure result from heat generated by electrical and electronic equipment within the enclosure and fluctuations of outside ambient temperature. Stainless steel pressure compensation devices provide IP66 protection in corrosive applications requiring slow pressure equalization. For optimal performance, install two plugs diagonally to each other.

FEATURES

- Air permeability = 42 cubic feet/hour (1200 liters/hour) at a pressure difference of min. 70 mbar
- Easy installation: drill one 1.60-in. (41 mm) diameter hole
- Sealing gasket (Nitrile Buna-N Rubber)

SPECIFICATIONS

- Type 316L stainless steel
- Semipermeable membrane inside the plug filters moisture and dust
- Mounting thread M40 with union nut

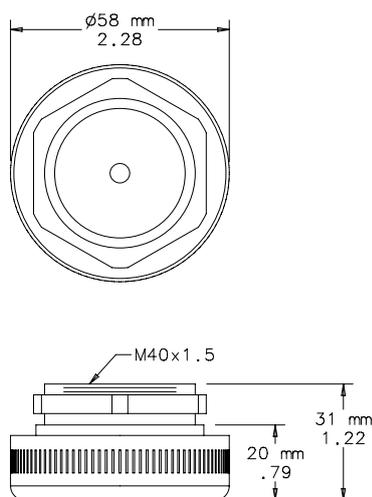
FINISH

Machined Type 316L stainless steel

STANDARD PRODUCT

Item number	AxB in./mm	Depth in Enclosure (in./mm)	Operating/Storage Temperature °F	Operating/Storage Temperature °C
APCDSS6	2.28 x 1.22 58 x 31	0.35 9	-40 to 176	-40 to 80

A dimension = diameter



87921423

PRESSURE COMPENSATION DEVICE



INDUSTRY STANDARDS

UL Type 1, 4, 4X; File No. E234324

CE
IEC/EN 60529, IP66



APPLICATION

Pressure differentials in a tightly sealed enclosure result from heat generated by electrical and electronic equipment within the enclosure and fluctuations of outside ambient temperature. Pressure compensation devices provide IP66 protection in applications requiring slow pressure equalization. For optimal performance, install two plugs diagonally to each other.

FEATURES

- Air permeability = 42 cubic feet/hour (1200 liters/hour) at a pressure difference of min. 70 mbar
- Easy installation: drill one 1.60-in. (41 mm) diameter hole
- Sealing gasket (Nitrile Buna-N Rubber)

SPECIFICATIONS

- Semipermeable membrane inside the plug to filter moisture and dust
- Mounting thread M40 with union nut
- Plastic PA66

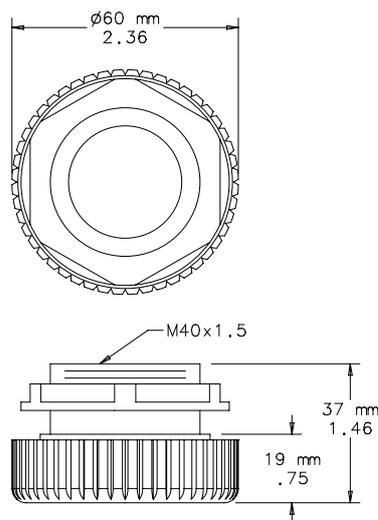
FINISH

Light-gray plastic. Polymeric material manufactured by DuPont. DuPont is the trademark of E. I. duPont de Nemours and Company.

STANDARD PRODUCT

Item number	AxB (in./mm)	Depth in Enclosure (in./mm)	Operating/Storage Temperature °F	Operating/Storage Temperature °C
APCDABS	2.36 x 1.46 60 x 37	0.6 15	-49 to 158	-45 to 70

A dimension = diameter



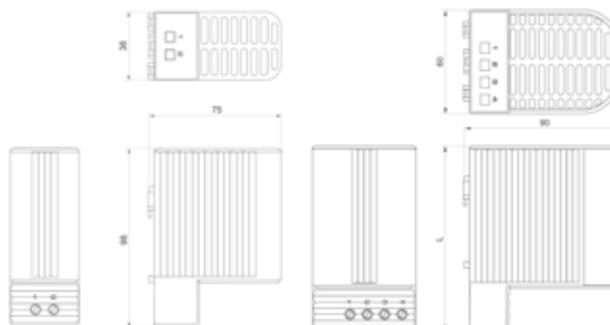
87921424

COMPACT HEATERS WITH FAN FROM 10W TO 150W



10 / 20 W

50 / 100 / 150 W



10 / 20 W

50 / 100 / 150 W



SPECIFICATIONS

- Compact heater without fan
- Simple and fast assembly with clip-on attachment
- Broad range voltage input AC/DC 120 ... 240 V
- Low surface temperature, protective insulation, and temperature limitation with PTC resistance

SCOPE OF DELIVERY (COMPLETELY ASSEMBLED)

- Heater element, voltage AC/DC 100 ... 240 V; PTC resistor, self-regulating
- Heating body housing, plastic UL94 V-0; type of fixing: Clip for 35 mm DIN rail EN 60715
- Connection: 2-pin (10 W, 20 W) and/or 4-pin (50 W, 100 W, 150 W) terminal, 2.5 mm², torque 0.8 Nm max.

ACCESSORIES

- Thermostat for heating
- Hygrostat

TECHNICAL DATA

	10 W	20 W	50 W	100 W	150 W
Heater output in W	10	20	50	100	150
Max. switch-on current in A	1.0	2.5	2.5	4.5	8.0
Pre-fuse, delay-action in A	2.0	4.0	4.0	8.0	10.0
Type of protection	IP 20	IP 20	IP 20	IP 20	IP20
Class of protection	II	II	II	II	II
Dimensions h x w x d in mm	98 x 38 x 75	98 x 38 x 75	110 x 60 x 90	110 x 60 x 90	150 x 60 x 90
Weight in kg	0.2	0.3	0.3	0.3	0.5
Connection	2-pin terminal, 2.5 mm ² , torque 0.8 Nm		4-pin terminal, 2.5 mm ² , torque 0.8 Nm		
Surface temperature in °C	< + 80°C, with exception of above mesh surface				
Test seal	CE, UL, VDE, EAC, RoHS				
Mounting	Clip-on attachment for 35 mm DIN rail (EN 60715)				

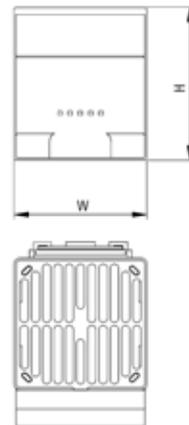
STANDARD PRODUCT

Item number	Description
60715-220	10 W
60715-221	20 W
60715-222	50 W
60715-223	100 W
60715-224	150 W

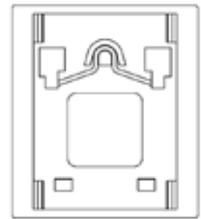
COMPACT HEATERS WITH FAN FROM 150W TO 400W



Dimension drawing



Clip attachment



SPECIFICATIONS

- Compact heater with fan, small, compact design with high heater output
- Simple and fast assembly with clip-on attachment or bolt fixing
- Dynamic heating up and temperature limitation by PTC technology
- Low noise

SCOPE OF DELIVERY (COMPLETELY ASSEMBLED)

- Heater element, voltage 230 VAC, resistor (PTC resistance) self-regulating
- Heating body housing, plastic UL94 V-0; type of fixing: Clip for 35 mm DIN rail EN 60715
- Axial fan, airflow from bottom to top
- Connection: 2-pin terminal, 2.5 mm², torque 0.8 Nm max.

ACCESSORIES

- Thermostat for heating
- Hygrostat

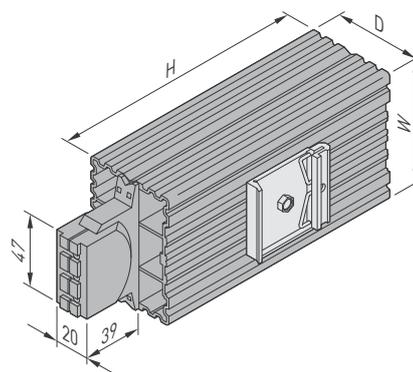
TECHNICAL DATA

	150 W	250 W	400 W
Heater output in W	150	250	400
Max. switch-on current in A	9.0	12	15
Pre-fuse, delay-action in A	10	10	16
Axial fan, free blowing output	13.8 m ² /h	45 m ² /h	45 m ² /h
Type of protection	IP 20	IP 20	IP 20
Class of protection	II	II	II
Dimensions h x w x d in mm	75 × 65 × 90	90 × 85 × 111	90 × 85 × 111
Weight in kg	0.3	0.5	0.5
Surface temperature in °C	< + 50°C, with exception of above mesh surface		< + 65°C, with exception of above mesh surface
Connection	2-pin terminal, 2.5 mm ² , torque 0.8 Nm		
Test seal	CE, UL, VDE, EAC, RoHS		
Mounting	Clip-on attachment for 35 mm DIN rail (EN 60715)		

STANDARD PRODUCT

Item number	Description
60715-225	150 W
60715-226	250 W
60715-227	400 W

HEATERS FROM 30 W TO 150 W



Support rail



SPECIFICATIONS

- Radiator heater (without fan)
- Simple and fast assembly with clip-on attachment and press-on terminal connection
- Wide input voltage range 110 ... 250 VAC
- Temperature limiting with PTC resistor.

SCOPE OF DELIVERY (COMPLETELY ASSEMBLED)

- Heater element, voltage range 110 ... 250 VAC; resistor (PTC resistance) self-regulating
- Heating body, Al extrusion, anodised Fixing: clip for 35 mm DIN rail EN 50022
- Connection
 - Type 30, with connecting cable (3 x 0.5 mm², 300 mm long, black);
 - Type 45, 100, 150 with press-on terminal connection (for stranded/rigid wire 3 x 0.5 ... 2.5 mm²)

ACCESSORIES

- Thermostat for heating
- Hygrostat

STANDARD PRODUCT

Item number	Description
60715-020	30 W Heater
60715-021	45 W Heater
60715-023	100 W Heater
60715-030	150 W Heater
20715-001	Support rail, 1 piece DIN rail EN 50022 (35 mm), length 215 mm

TECHNICAL DATA

	30 W	45 W	100 W	150 W
Heater output in W	30	45	100	150
Surface temperature in °C	Approx. 100	Approx. 105	Approx. 130	Approx. 140
Max. switch-on current in A	3.0	3.5	4.0	9.0
Type of protection	IP 20	IP 20	IP 20	IP 20
Class of protection	I	I	I	I
Dimensions H x W x D in mm	70 x 25 x 50	69 x 70 x 50	144 x 70 x 50	224 x 70 x 50
Weight in kg	0.2	0.3	0.5	0.7
Test seal	VDE, CE, UL (File E150057)	CE, UL (File E150057)	CE, UL (File E150057)	CE, UL (File E150057)
Assembly	Clip-on attachment for 35 mm DIN rail (EN 50022)			

HEATER FAN 475/550 W



Support rail

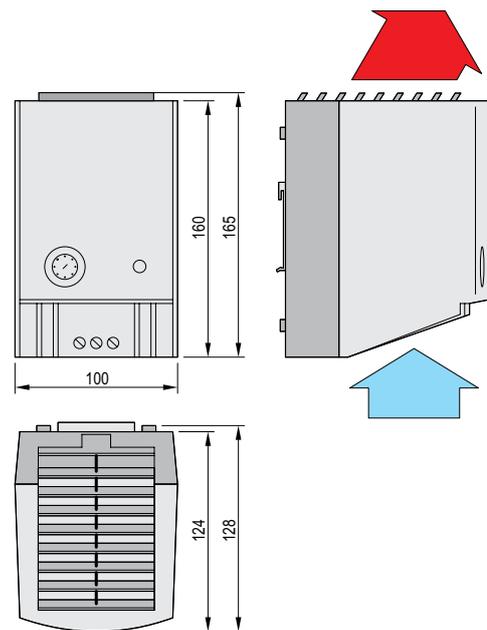


SPECIFICATIONS

- Heater with fan and thermostat
- Simple and fast assembly with clip-on attachment
- 3-pin terminal clamp, separate heater/fan connection
- Thermostat from 0 ... 60°C
- Temperature limiting with PTC resistor

SCOPE OF DELIVERY (COMPLETELY ASSEMBLED)

- Plastic housing, polycarbonate (RAL 9002, grey white), clip for 35 mm DIN rail EN 50022
- Heater element, 230 VAC, resistor (PTC resistance) self-regulating
- Thermostat
- 230 VAC fan



STANDARD PRODUCT

Item number	Description
60715-017	Heater 475 W
60715-018	Heater 550 W
20715-001	Support rail, 1 piece DIN rail EN 50022 (35 mm), length 215 mm

DIMENSIONS AC FANS

Parameter	230 VAC
Frequency (Hz)	50 60 50 60
Heater output (W)	475 550 550 650
Air capacity of axial fan (m ³ /h)	35 39 45 50
Current at switch-on, approx. (A)	11 13
Weight (kg)	0.9 1.1
Heater element	Resistor (PTC), self-regulating
Connection	3-pin connecting terminal, 2.5 mm ² , separate connection heating/fan
Thermostat	Adjustment range 0 ... 60 °C
Control lamp of control system	Glow lamp
Temperature control	In the event of fan failure
Type of protection	IP 20
Class of protection	II
Assembly	Clip-on attachment for 35 mm DIN rail (EN 50022)
Dimensions (mm)	165 x 100 x 128

HEATER FAN 400 W, MODULAR



Example of a complete heater unit:
1: heater, 2: fan, 3: protective grille, 4: connection cable



Heater element



Support rail



SPECIFICATIONS

- Modular system consisting of: heater element, fan, protective grille and connecting cable
- Fan not included in delivery; please order fan with desired air capacity separately
- Simple and fast assembly with clip-on attachment
- Overheating protection through thermal switch

Example of complete heater unit:
1. heater; 2. fan; 3. protective grille; 4. connection cable

SCOPE OF DELIVERY

- Heater element, high-performance cartridge
- Connecting cable fan - heating distributor, length 0.3 m
- GND/earth cable, ring tag - open end, length 0.3 m
- Clip-on attachment for DIN rail with assembly kit

Note

- Mounting for wall thicknesses from 1 to 3 mm
- Multiple-fan solution on request

ATTENTION:

Danger of overheating; use heater only in connection with fan

ACCESSORIES

- Fan
- Thermostat for heating
- Hygrostat

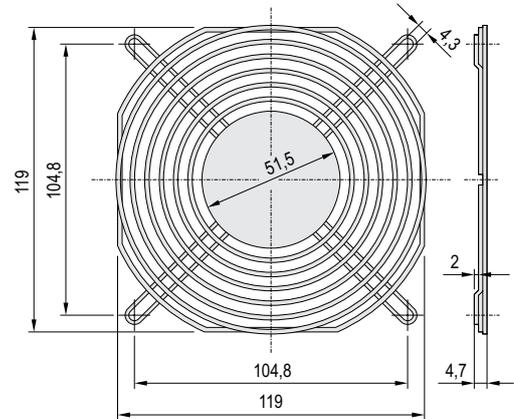
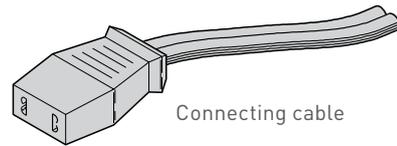
STANDARD PRODUCT

Item number	Description
60715-028	115 VAC Heater fan 400 W, modular
60715-029	230 VAC Heater fan 400 W, modular
20715-001	Support rail 1 piece DIN rail EN 50022 (35 mm), length 215 mm, 1 piece

TECHNICAL DATA

	115 VAC	230 VAC
Voltage	115 VAC	230 VAC
Frequency	50 Hz	60 Hz
Current at switch-on	3.5 A	1.8 A
Air capacity of fan	Please choose desired fan	
Surface temperature with fan	Approximately 140°C	
Type of protection	IP 20	
Class of protection	I, with GND, earthing	
Assembly	Clip for 35 mm DIN rail (EN 50022)	
Dimensions: height x width x depth in mm	22 x 120 x 160	
Heater output	400 W	

AC FAN FOR HEATING 400 W



SPECIFICATIONS

The fan is screwed below the heater and the cable is connected to the heater (please order connecting cable and protective grille separately)

SCOPE OF DELIVERY

- Fan (width 119 mm, depth 119 mm)

STANDARD PRODUCT

Item number	Description	Type	Height (mm)	Airflow Volume m ³ /h
20713-146	115 VAC	A	25	84
20713-142	230 VAC	A	25	84
20713-147	115 VAC	B	25	108
20700-001	230 VAC	B	25	108
20713-244	115 VAC	C	38	162
20713-243	230 VAC	C	38	162
21101-246	PVC (2 x 0.75 mm ²), 1 m long with 2 Faston connectors			
60197-019	2.8 x 0.5 mm to DIN 46343 T1, 1 piece Protective grille, metal, screw-on			

TECHNICAL DATA

Type	Type A		Type B		Type C	
Frequency (Hz)	50	60	50	60	50	60
Airflow volume (m ³ /h)	84	90	108	120	162	192
Noise level per fan (dB(A))	29	30	34	38	37	41
Max. static pressure (Pa)	23	21	41	41	73	88
Max. ambient temperature (°C)	70	70	70	70	70	70
Power consumption (W)	8	7	14	11	15	14
Dimensions: height (mm)	25		25		38	
(width 119 mm x depth 119 mm)						

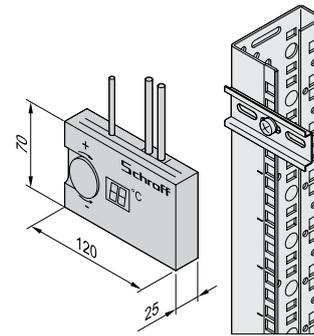
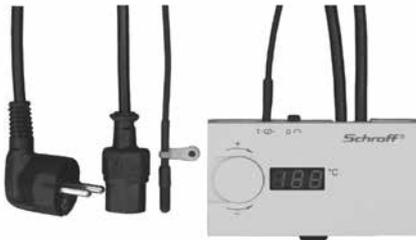
Note

Please order connection cable and protective grille separately

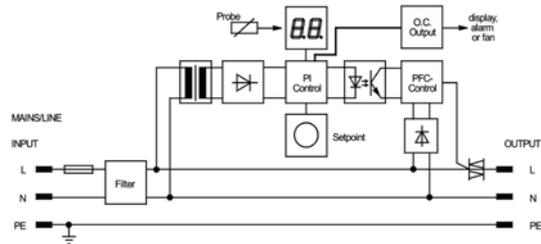
SPEED CONTROL FOR FANS WITH C13 PLUG



Speed controller with connecting cables



Block diagram



SPECIFICATIONS

- Suitable for all AC fans and fan units (up to 300 W) with IEC 60320 C13 plug (plug & play)
- Simple to mount on the support rail provided
- Simple adjustment of switch-on temperature (with knob and digital display)
- External sensors can be fitted at a desired measurement point
- Open-collector output (parametrisable)
 - Alarm output (active/passive)
 - DC fans (PWM output)
 - Remote display (via optional digital display with front panel)

SCOPE OF DELIVERY

- Speed controller; input/output voltages 115 ... 240 V AC, see Technical Data
- Temperature sensor, cable length 1.5 m
- Fan cable, 2 m, with IEC 60320 socket
- Mains cable, 3 m, with connecting plug
- Support rail, St, zinc-plated (EN 50022)
- Assembly kit

Note

- Mounting for wall thicknesses from 1 to 3 mm
- Multiple-fan solution on request

ACCESSORIES

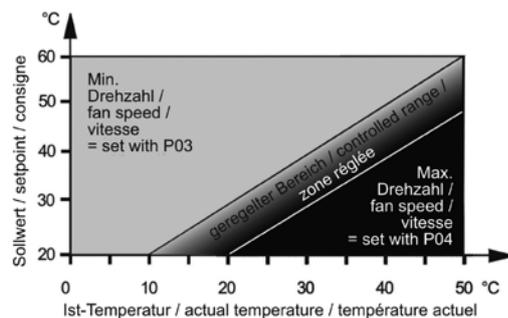
Thermostat with digital display

STANDARD PRODUCT

Item number	Speed control for fans with C13 plug
60715-005	Mains cable, SCHUKO/UTE plug
60715-006	Mains cable IEC 60320 C13 plug
60715-007	Connecting cable for DC fans or alarm output; Length 2 m, 2-wire (0.34 mm ²), 1 piece

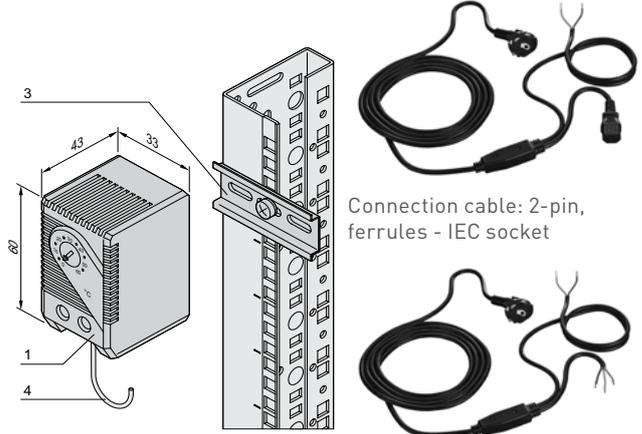
TECHNICAL DATA

Voltage	
Voltage range	115 ... 240 V _{AC} (90 ... 264 V _{AC})
Frequency	48 ... 62 Hz
Power consumption	
	max. 4 VA
Display	
	LCD display, height 13 mm, red
Max. connection power	300 W (230 V _{AC}), 150 W (115 V _{AC})
Max. continuous current	1.3 A
Adjustment range	+20 ... +60 °C with potentiometer
Fan speed frequency	25 ... 100 %
Sensor	External NTC resistor
Sensor connection	AMP plug contact and cable, 1.5 m, 2 x 0.22 mm
In case of sensor failure	Max. speed
Fan connection	Cable 2 m with C 13 IEC 60320 socket
Open-collector output	AMP plug contact, programmable function, V _{max} 30 VDC, I _{max} 30 mA
Mains connection	Cable 3 m with plug
Mechanics	Case, IP 30, plastic, weight 0.5 kg, mounts on horizontal rail with lip DIN EN 50022
Dimensions	Width 120 mm, height 70 mm, depth 25 mm
Environmental conditions	0 ... 60 °C, max. 85% rel. humidity, non-condensing



Speed varies in relation to temperature

THERMOSTAT WITH INTEGRATED TEMPERATURE SENSOR



Connection cable: 2-pin, ferrules - IEC socket

Connection cable: 2-pin, ferrules - 3-pin, ferrules



SPECIFICATIONS

- For switching fans or heaters
- Adjustment range 5 ... 60 °C
- Individual adaptation with three separate components: thermostat (for cooling or heating), assembly material, connecting cable (IEC connector or ferrules)
- 2 versions
 - for heating
 - for cooling

SCOPE OF DELIVERY

- Thermostat, width 33 mm, height 60 mm, depth 43 mm; clip-on attachment for 35 mm DIN rail EN 50022, switched voltage 120 ... 250 VAC
- User manual

STANDARD PRODUCT

Item number	Description
60715-136	Thermostat with integrated Temp.- Sensor; cooling
60715-137	Thermostat with integrated Temp.- Sensor; heating
Accessories	
21120-178	Item 3 DIN rail (EN 50022) 35 mm; length 75 mm; with fixing materials kit, PU 1 set
62150-201	Item 4 Connection cable, SCHUKO/UTE connector, cable length 1.5 m; connection on thermostat/hygrostat, 2-pin, ferrules; Connection on fan IEC socket; 1 piece
62150-264	Item 4 Connection cable, SCHUKO/UTE connector, cable length 1.5 m; connection on thermostat/hygrostat, 2-pin, ferrules; connection on fan/heater 3-pin, ferrules, 1 piece

TECHNICAL DATA

	for cooling (normally open)	for heating (normally closed)
Thermostat	blue control button	red control button
Adjustment range	0 ... 60 °C	
Switching temperature difference	7 K (± 4 K tolerance)	
Sensing element	Thermobimetal (snap-action contact)	
Contact resistance	<10 mΩ	
Lifespan	>100000 cycles	
Max. switch performance	10 A at 250 VAC, 15 A at 120 VAC; 30 W at DC voltage	
Connection	2-pin clamp, up to 2.5 mm ² , torque max. 0.5 Nm	
Case	Plastic, in accordance with UL 94 V-0, light grey	
Dimensions: h x w x d (mm)	60 x 33 x 43	
Assembly	Clip for 35 mm DIN rail, EN 50022	
Weight	40 g	
Operating/storage temperature	-20 ... +80 °C / -45 ... +80 °C	
Protection class	IP 20	

THERMOSTAT WITH INTEGRATED TEMPERATURE SENSOR



SPECIFICATIONS

- To control heaters or fans
- Adjustment range 5 ... 60 °C

SCOPE OF DELIVERY

- Thermostat with clip-on attachment for 35 mm DIN rail EN 50022, voltage 200 ... 250 VAC and 100 ... 130 VAC
- Support rail, length 200 mm
- Connection cable, length 1.5 m
- Strain relief
- Assembly kit for cabinet assembly

STANDARD PRODUCT

Item number	Description
20715-002	Thermostat with integrated temperature sensor

TECHNICAL DATA

Dimension	Height: 75 mm, width: 75 mm, depth: 25 mm
Adjustment range	5 ... 60 °C
Switching difference	0,5 K
Mains/line voltage	200 - 250 VAC
Contact load (ohmic load/inductiveload)	Heat (terminals 1 - 2) 10 A / 4 A Cool (terminals 1 - 3) 5 A / 2 A
Contacts	Changeover contact, single Pin
Type of assembly	Bolt-on, snap mounting for slide rail

THERMOSTAT WITH EXTERNAL TEMPERATURE SENSOR



SPECIFICATIONS

- To connect heaters or fans
- External sensor can be positioned near the critical subassembly
- Adjustment range 20 ... 60 °C, switch difference 3 ... 10 K

SCOPE OF DELIVERY

- Thermostat with external temperature sensor, sensor length approx. 1.7 m
- Mounting plate for cabinet assembly, Al, 2.5 mm
- Assembly kit

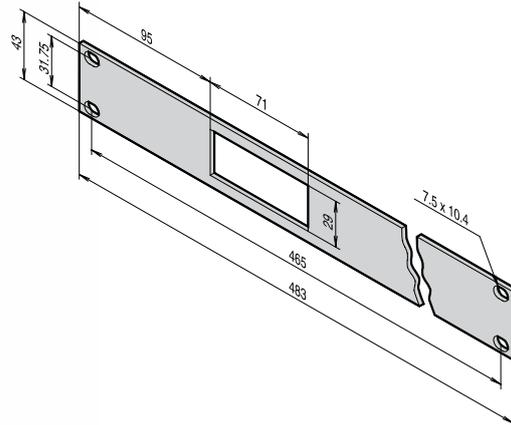
STANDARD PRODUCT

Item number	Description
20715-003	Thermostat with external temperature sensor

TECHNICAL DATA

Dimension H x W x D (mm)	93 x 68 x 44
Adjustment range	20 ... 60 °C
Switching difference	3 ... 10 K
Mains/line voltage	90 ... 260 VAC
Contact load (ohmic load/inductiveload)	24 A/10 A
Contacts	Change-over, single pin
Assembly	Screw-fixed

THERMOSTAT WITH DIGITAL DISPLAY



SPECIFICATIONS

- Adjustment range from -50 to +100 °C (switch difference 0 ... 10 °C)
- Display switchable from °C to °F
- Programmable (secured against unauthorised operation)
- 3-character red segment display

STANDARD PRODUCT

Item number	Description
60715-132	Thermostat with digital display, 230 VAC
60715-133	Thermostat with digital display, 115 VAC
30118-315	Front panel 1 U, RAL 7035 with cutout for thermostat
30118-267	Front panel 1 U, anodised with cutout for the thermostat
30118-360	Front panel 1 U, RAL 7021 with cutout for thermostat

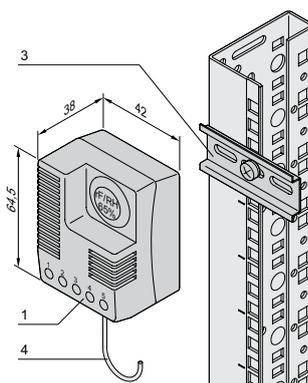
TECHNICAL DATA

Operating voltage	115 VAC or 230 VAC
Power consumption	Approx. 3.5 W
Dimensions: h x w x d (mm)	35 x 76 x 59
Assembly cutout (mm)	28.8 x 70.5
Adjustment range	-50 ... +100 °C
Switch difference	0 ... 10 K selectable
Data safeguarding at power failure	Non-volatile memory
Contact load (ohmic load/inductive load)	8 A/3 A
Input/sensor	PTC resistance, -55 ... +120 °C, cable length 3 m
Contacts	Relay, changeover contact, single pin
Protection class to front	IP 54
Connection	Screw-on terminals, 2.5 mm ²
Fixing	With clamping bracket
Type of assembly	Can be screwed on

HYGROSTAT



Hygrostat with adjustable and permanently set relative humidity



connecting cable, connection cable, 2-pole, ferrule - IEC-(female) connector; input jack; bush; socket



connecting cable, connection cable, 2-pole, ferrules - ferrules



SPECIFICATIONS

- Adjustable or fixed relative air humidity
- Switches fan or heaters when the set value is reached
- Visual display
- Integrated LED lights up when the connected consumer is switched on
- Individual adaptation with three separate components: Hygrostat, assembly material, connecting cable (input with SCHUKO/UTE connector; output with IEC connector or open end) please order separately

SCOPE OF DELIVERY

- Hygrostat, width 42 mm, height 64.5 mm, depth 38 mm; clip-on attachment for 35 mm DIN rail EN 50022
- User manual

Note

- Mounting for wall thicknesses from 1,0 to 3,0 mm
- Multiple-fan solution on request

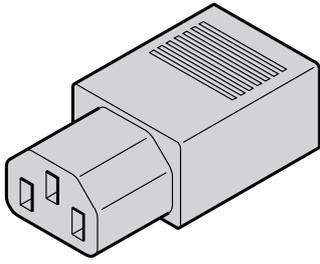
STANDARD PRODUCT

Part no	Description
60715-138	Hygrostat fix at 65% air humidity
60715-213	Hygrostat, adjustable, 40 ... 90 % air humidity
21120-178	Item 3 DIN rail (EN 50022) 35 mm; length 75 mm; with fixing materials kit, PU 1 set
62150-201	Item 4 Connection cable, SCHUKO/UTE connector, cable length 1.5 m; connection on thermostat/hygrostat, 2-pin, ferrules; Connection on fan IEC socket; 1 piece
62150-264	Item 4 Connection cable, SCHUKO/UTE connector, cable length 1.5 m; connection on thermostat/hygrostat, 2-pin, ferrules; connection on fan/heater 3-pin, ferrules, 1 piece

TECHNICAL DATA

Supply voltage	230 VAC, 50/60 Hz
Default setting for relative air humidity	65% fixed 40 ... 90% adjustable
Switch difference	5% air humidity (w 1% air humidity tolerance at 25 °C)
Switch contact	Changeover contact (relay)
Lifespan	> 50,000 cycles
Max. switch performance	8 A (16 A for 10 s)
Mains connection	2-pin terminal, up to 2.5 mm ² , torque max. 0.5 Nm
Output change-over relays	3-pin clamp, up to 2.5 mm ² , torque max. 0.5 Nm
Case	Plastic, in accordance with UL 94 V-0, light grey
Dimensions	Height 64.5 mm, width 42 mm, depth 38 mm
Type of assembly	Clip for 35 mm DIN rail, EN 50022
Weight	65 g
Operating/storage temperature	0 ... +60 °C/-20 ... +70 °C
Max. storage humidity	90 % air humidity (non-condensing)
Type of protection	IP 20

IEC INPUT PLUG



SPECIFICATIONS

- For connection of fans
- Bolted housing made of heat-resistant plastic (UL 94 V-0)
- 10 A/250 VAC
- Protection Class I

STANDARD PRODUCT

Item number	Description
60715-046	IEC input plug



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