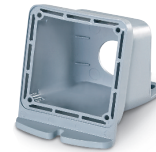


■ BACK BOX



Description	HUB size (Inch)	Receptacle	Inlets	Cubic Inch capacity	⊞	
Size 1 (small)	1	16/20A - 32/30A	-	30	1/10	SCMBB01
Size 2 (medium)	1 ¼	63/60A	16/20A - 32/30A - 63/60A	75	1/10	SCMBB02
Size 3 (large)	1 ½	125/100A	125/100A	120	1/5	SCMBB03

⊞ Pack Quantity.

- Internal grounding plate provided
- HUB is not included

■ CLOSURE CAPS



Description	⊞	
16/20A - 2P+E	10/100	570.90163
16/20A - 3P+E	10/100	570.90164
16/20A - 3P+N+E	10/100	570.90165
32/30A - 2P+E & 3P+E	10/100	570.90324
32/30A - 3P+N+E	10/100	570.90325
63/60A - all polarity	1/10	570.9063
125/100A - all polarity	1/10	570.9125

⊞ Pack Quantity.

■ REFERENCE STANDARDS

IEC 60309-1

Plugs, socket-outlets and couplers for industrial purposes.
Part 1: general requirements.

IEC 60309-2

Plugs, socket-outlets and couplers for industrial purposes.
Part 2: dimensional interchangeability requirements for pin and contact-tube accessories.

UL 1682

Plugs, receptacles and cable connectors of the pin and sleeve type.

UL 1686

Standard for pin and sleeve configuration.

■ QUALITY MARKS

UL LISTED:
E238171, E238172



UL CLASSIFIED:
E238170



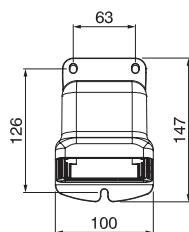
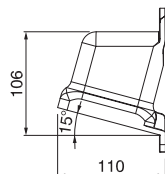
■ TECHNICAL CHARACTERISTICS FOR BACK BOX

Protection degree (IEC 60529):	IP66/IP67
Operating ambient temperature:	-25°C +40°C
Max. operating ambient temperature:	+70°C
Self-extinguishing (IEC 60695-2-1):	GW test 850°C
Self-extinguishing (UL94):	5VA (3mm)
Material:	PC siloxane
IK degree at 20°C (EN 50102):	IK10 (20J)

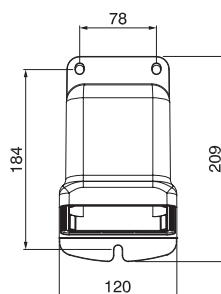
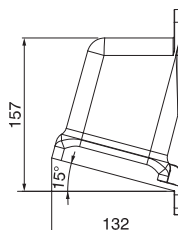
EUREKA-HD SERIES

DIMENSIONS

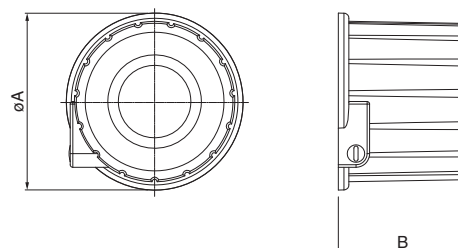
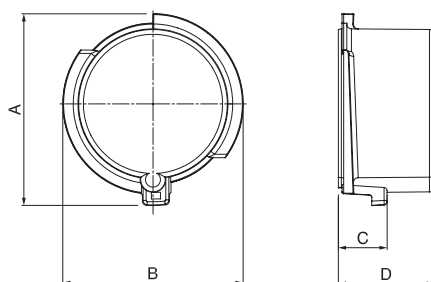
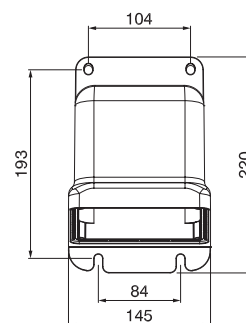
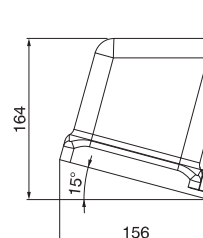
SCMBB01



SCMBB02



SCMBB03



	A	B	C	D
570.90163	64	60	20	40
570.90164	72	68	20	40
570.90165	81	76	20	40
570.90324	85	82	22	50
570.90325	93	89	22	50
570.9063	99	96	25	71
570.9125	113	109	25	79

	ØA (mm)	B (mm)	fil./thread
SCMSAA12	48.5	60	1/2 NPT
SCMSAB12	61.9	68	1/2 NPT
SCMSAB34	61.9	76	3/4 NPT
SCMSAC100	70	82	1 NPT
SCMSAC125	84	89	1 1/4 NPT
SCMSAC34	70	96	3/4 NPT
SCMSAD125	96	109	1 1/4 NPT

(Dimensions in mm)



EUREKA-HD SERIES



■ PERFORMANCE - ELECTRICAL (SERIES I)

Dielectric Voltage withstand:	3000 Volts for 1 minute per IEC 60309-1, Clause 19
Maximum Working Voltage:	690VAC/250 VDC (minimum creepage and clearances per IEC)
Current Interrupting/ Load Breaking:	Tested to 125% rated current at 110% rated voltage per IEC309-1 clause 20
Temperature Rise:	Maximum 50°C rise at rated current per IEC309-1 Clause 22, Table 8
Endurance with Load:	16 Amp: 5000 cycles; Load only
Per IEC 60309-1 Clause 21:	32 Amp: 1000 cycles - Alternating load 63 Amp: 1000 cycles - Alternating load 125 Amp: 250 cycles - Alternating load

■ PERFORMANCE - ELECTRICAL (SERIES II)

Dielectric Voltage Withstand:	3000 Volts for 1 minute (fixed devices) 2200 Volts for 1 minute (portable devices)
Maximum Working Voltage:	600VAC/250 VDC (minimum creepage and clearances per UL 840)
Current Interrupting/ Load Breaking:	Tested to 150% of full rated current for circuit interrupting
Temperature Rise:	Maximum 30°C rise at full rated current after 50 cycles overload at 150% rated load at 0.75-pf
Horsepower Ratings:	Per Nec 430-151b reference for non-interrupting ratings
Endurance with Load:	20 Amp: 5000 cycles; Load only
Per IEC 60309-1 Clause 21:	30 Amp: 1000 cycles - Alternating load 60 Amp: 1000 cycles - Alternating load 100 Amp: 250 cycles - Alternating load

■ MATERIALS FOR PIN & SLEEVE (SERIES I & II)

Housing:	Valox®
Contact Carriers:	Valox®
Cable Gland Nut:	Valox®
Cable Bushing:	Solid neoprene, onion ring type
O-Ring, Seals & Gaskets:	Solid neoprene
Pins & Sleeves:	Nickel plated brass
Sleeve Force Ring:	Zinc plated steel
Terminal Screws:	Nickel plated steel
Flap/Screw Cover Springs:	Stainless steel
SNAP-ON Spring:	Stainless steel
Mounting Flanges:	Valox®

■ PERFORMANCE - MECHANICAL (SERIES I)

Cold (-25°C) Impact Resistance:	Per IEC 60309-1 Clause 24; (-25°C) with 75cm drop
Cable O.D. Accommodation:	Round portable service cords from 14.5mm O.D. through 50mm O.D.
Terminal Identification:	In accordance with IEC 60309-1 standards; as L1-L2-L3-N-G
Cable Pull-Out Force:	In accordance with IEC 60309-1, Clause 23

■ PERFORMANCE - MECHANICAL (SERIES II)

Cold (-25°C) Impact Resistance:	Per UL 1682 Section 34 and IEC 60309-1 Clause 24
Cable O.D. Accommodation:	Round portable service cord from 0.57" O.D. through 1.79" O.D.
Terminal Identification:	In accordance with UL 1682 standards and IEC 60390-1: as L1-L2-L3-N-G
Cable Pull-Out Force:	Per UL 1682 Section 33 and IEC 60309-1 Clause 23

■ PERFORMANCE - ENVIRONMENTAL (SERIES I & II)

Corrosion Resistance:	All metallic components stainless steel or nickel plated brass Sleeve pressure rings of zinc plated steel
-----------------------	--

■ MATERIALS FOR BACK BOX (SERIES I & II)

Housing:	PC siloxane
Gasket:	Solid neoprene
Screws:	Stainless steel
Grounding plate:	zinc-coated steel

Standard Interface / World Ready
Full International Compliances
EN 60309

UL Classification to IEC 60309-1 and IEC 60309-2.
cULus Listing: UL 1682/1686 and CSA C22.2
No. 182.1.

CE conforms to EC Low Voltage Directive.

North American and Global Voltage
Polarization "clock positions" available in all standard ratings.

Solid, Safe Voltage Selections

One-Piece contact carriers with Full-Color IEC standard voltage-phasing Coding ensures correct product application every time.

EUREKA-HD SERIES

■ WATERTIGHT – IP67

Safe Connections Standard

- Earth contacts make first, break last for safe connections even under load

