

75009614	DATA SHEET	
Valid from: 14.01.2019	EPIC[®] KIT H-A 4 SS MTGV M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination

75009614

Housing

H-A 3 MTgv M20 (19512100)

Insert

H-A 4 SS (10431000)

General characteristics

Series

H-A 4

Version

Male

Connection type

Screw termination

Pin-arrangement

4 + PE

Contact diameter

1 mm

Termination cross section

Screw termination: 0,5 – 2,5 mm² (2,5 mm² with wire end sleeve, depending on crimp profile)

Degree of protection (DIN EN 60529)

IP 65 (latched)

Degree of protection (NEMA 250/UL 50E)

12, 4 (latched)

Cycles of mechanical operation

100

Temperature range

-40°C to +125°C, short term up to +125

Materials and surfaces

Housing, base material

Zinc die-casting

surface Housing

Powder-coating, grey

Insert

PA

Contact, base material

Copper alloy

Contact, surface

Hard-silver

Electrical characteristics

Rated Voltage, IEC

400 V

Rated Voltage, UL

600 V

Rated Voltage, CSA

600 V

Rated Impulse Voltage

4 kV

Rated Current, IEC

23 A

Rated Current, UL

10 A

Rated Current, CSA

10 A

Contact Resistance

1,5 - 4 mOhm

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PD 0019/05_04.18EN

75009614	DATA SHEET	
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Degree of Soiling

3

Approvals

VDE-Approval, VDE-REG.-Nr.

B437

UL File Number

E75770

CSA File Number

053004



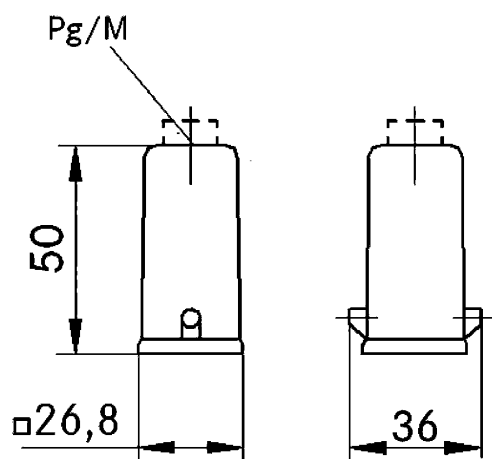
Standards

Safety Standard

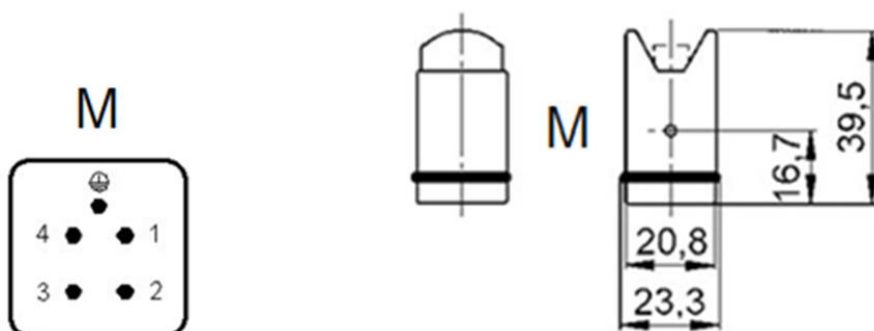
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009616	DATA SHEET	
Valid from: 14.01.2019	EPIC® KIT H-A 4 SS MTS M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009616
Housing	H-A 3 MTs M20 (19512300)
Insert	H-A 4 SS (10431000)

General characteristics

Series	H-A 4
Version	Male
Connection type	Screw termination
Pin-arrangement	4 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125

Materials and surfaces

Housing, base material	Zinc die-casting
surface Housing	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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Approvals

VDE-Approval, VDE-REG.-Nr.
UL File Number
CSA File Number

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E75770
053004



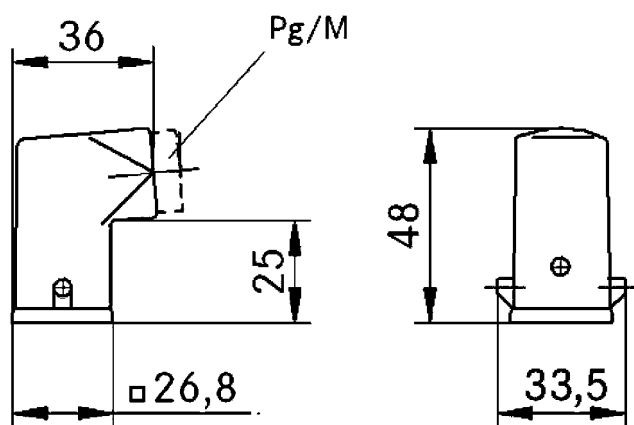
Standards

Safety Standard

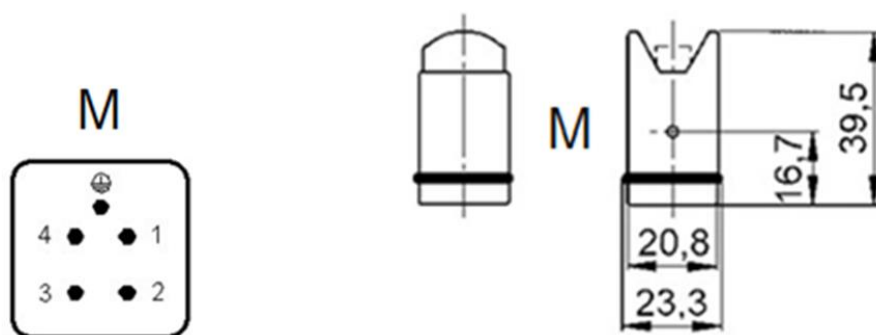
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts


Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

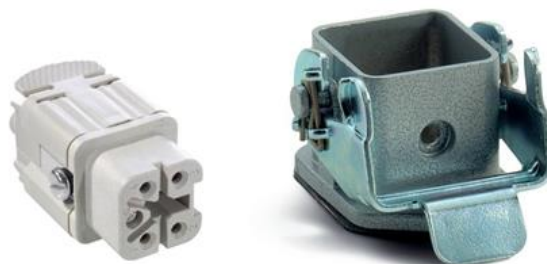
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75009618	DATA SHEET	
Valid from: 14.01.2019	EPIC® KIT H-A 4 BS MAG	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009618
Housing	H-A 3 MAG (10422500)
Insert	H-A 4 BS (10432000)

General characteristics

Series	H-A 4
Version	Female
Connection type	Screw termination
Pin-arrangement	4 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125


Materials and surfaces

Housing	Zinc die-casting
surface Housing	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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VDE-Approval, VDE-REG.-Nr.
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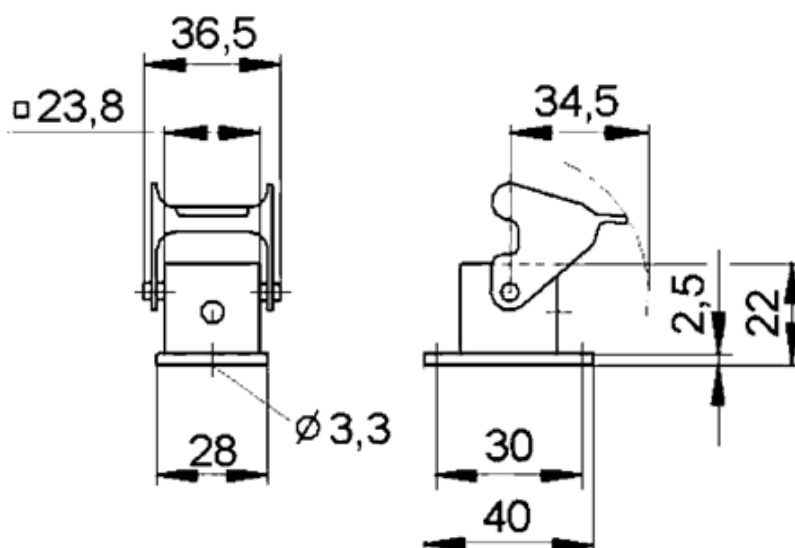
Standards

Safety Standard

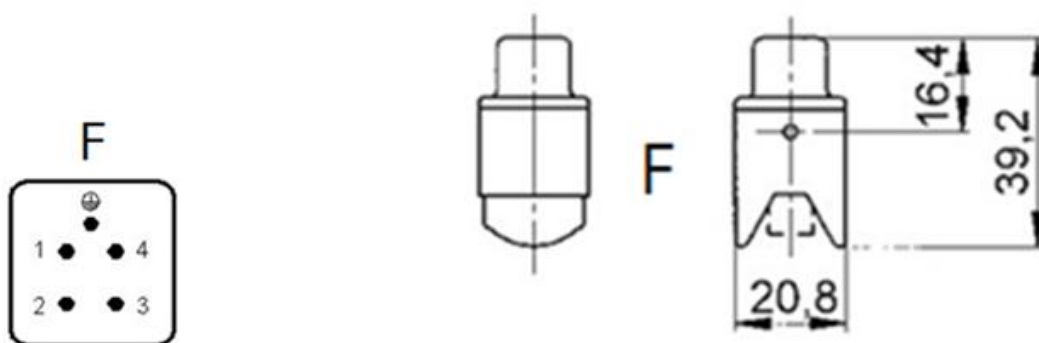
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings


Housing



Insert



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Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

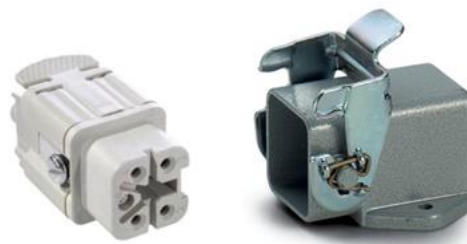
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75009620	DATA SHEET	
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Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009620
Housing	H-A 3 MAGs (10423500)
Insert	H-A 4 BS (10432000)

General characteristics

Series	H-A 4
Version	Female
Connection type	Screw termination
Pin-arrangement	4 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125


Materials and surfaces

Housing	Zinc die-casting
surface Housing	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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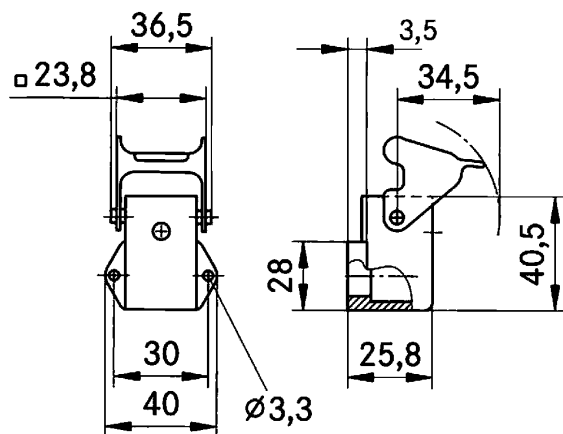
Standards

Safety Standard

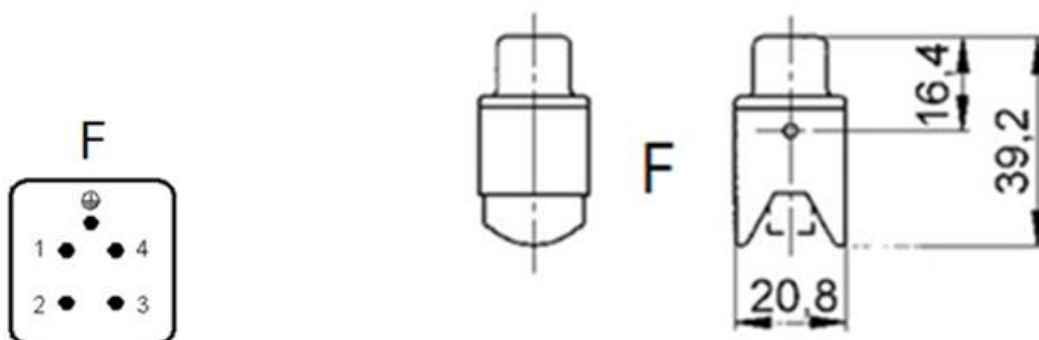
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



Industrial machinery and plant engineering

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Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

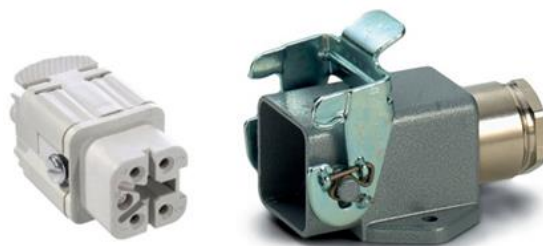
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75009622	DATA SHEET	
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Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009622
Housing	H-A 3 MAGsv M20 ZW (19512700)
Insert	H-A 4 BS (10432000)

General characteristics

Series	H-A 4
Version	Female
Connection type	Screw termination
Pin-arrangement	4 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125

Materials and surfaces

Housing	Zinc die-casting
surface Housing	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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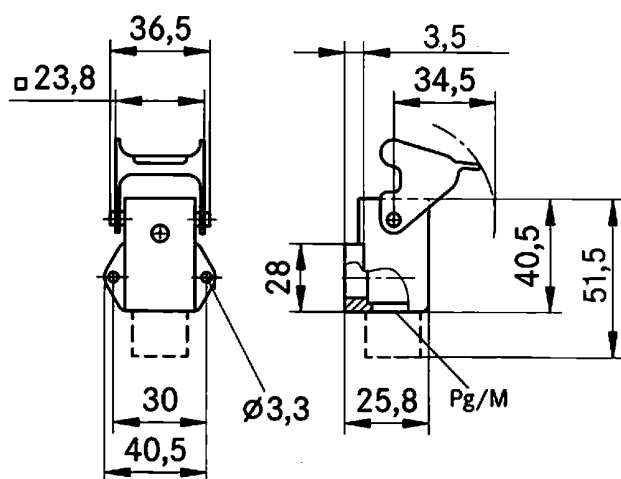
Standards

Safety Standard

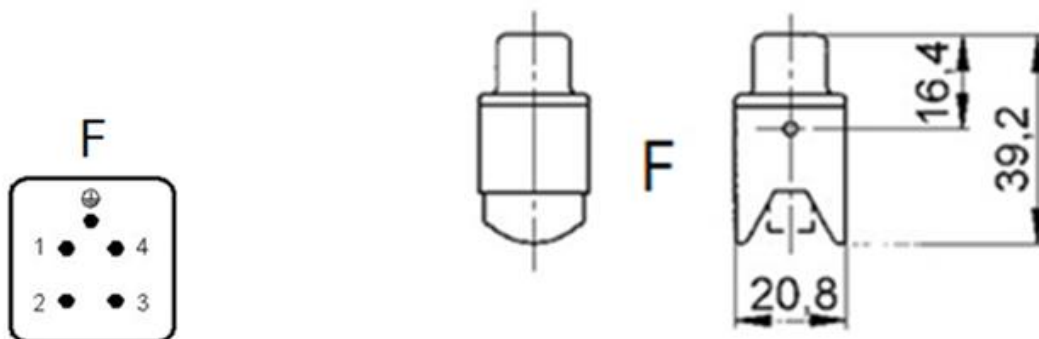
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



75009622	DATA SHEET	
Valid from: 14.01.2019	EPIC® KIT H-A 4 BS MAGSV M20 ZW	



Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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75009624	DATA SHEET	
Valid from: 14.01.2019	EPIC® KIT H-A 4 BS MTGVB M20	

Description

- H-A inserts, easy to service, with screw termination up to 2.5 mm² wire cross section
- The small H-A is used whenever there is minimal space
- Easy cable connection with strait cable entry in the contacts.
- Optimally matched components
- Reduced ordering effort
- No wrong orders



Components of the combination

Article number of the combination	75009624
Housing	H-A 3 MTgVB M20 (19512900)
Insert	H-A 4 BS (10432000)

General characteristics

Series	H-A 4
Version	Female
Connection type	Screw termination
Pin-arrangement	4 + PE
Contact diameter	1 mm
Termination cross section	Screw termination: 0,5 – 2,5 mm ² (2,5 mm ² with wire end sleeve, depending on crimp profile)
Degree of protection (DIN EN 60529)	IP 65 (latched)
Degree of protection (NEMA 250/UL 50E)	12, 4 (latched)
Cycles of mechanical operation	100
Temperature range	-40°C to +125°C, short term up to +125

Materials and surfaces

Housing	Zinc die-casting
Housing, surface	Powder-coating, grey
Insert	PA
Contact, base material	Copper alloy
Contact, surface	Hard-silver

Electrical characteristics

Rated Voltage, IEC	400 V
Rated Voltage, UL	600 V
Rated Voltage, CSA	600 V
Rated Impulse Voltage	4 kV
Rated Current, IEC	23 A
Rated Current, UL	10 A
Rated Current, CSA	10 A
Contact Resistance	1,5 - 4 mOhm
Degree of Soiling	3

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Approvals

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CSA File Number

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053004



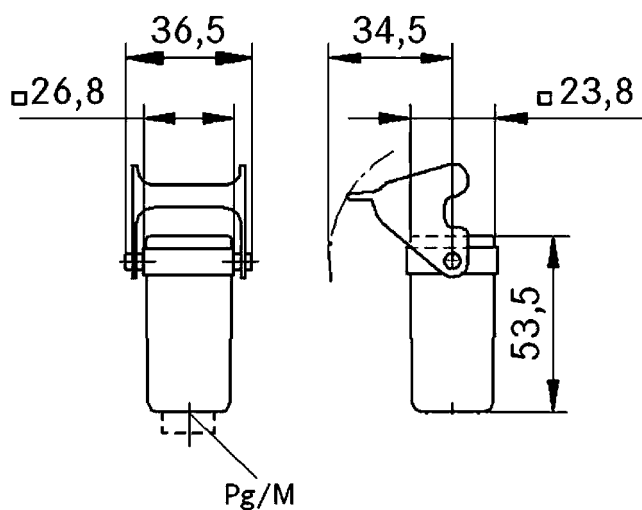
Standards

Safety Standard

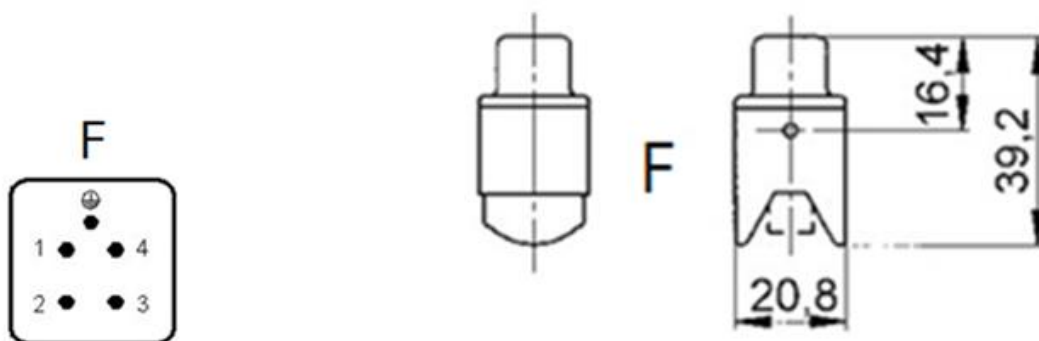
IEC 61984; UL 1977; CSA-C22.02

Technical Drawings

Housing



Insert



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Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Assembly time



Space requirement

Info

Compact, robust metal housings size H-A 3
Robust power supply connector
Straight cable entry into the contacts

Application range

Machine and equipment manufacturing
Control engineering
Electronic laboratory

Remark

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