



TESTED INTRINSIC FIRE RESISTANCE –
RELIABLE POWER DISTRIBUTION IN
THE EVENT OF FIRE

FK – THE CABLE JUNCTION BOX
WITH FUNCTIONAL
AND INSULATION INTEGRITY

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HENSEL

MAXIMUM SAFETY IN THE EVENT OF FIRE

Rely on tested intrinsic fire resistance

In an emergency, every second counts – especially when it comes to safety-relevant electrical systems such as emergency lighting, alarm systems, or smoke extraction devices. To ensure that these systems continue to operate reliably in the event of fire, cable junction boxes with defined intrinsic fire resistance are indispensable. They ensure that electrical connections remain functional even under extreme heat exposure – and this for a specified period of time. In Germany, DIN 4102-12 regulates the requirements for the intrinsic fire resistance of electrical cable systems. These are divided into classes E30, E60, and E90, which define intrinsic fire resistance for 30, 60, and 90 minutes respecti-

vely. Additionally, insulation integrity according to BS EN 50200 (PH 120) is a crucial safety factor. It ensures that electrical insulation is maintained even under intense heat exposure – a must for critical infrastructures.

For electrical specialist companies, this means: Only products that demonstrably offer intrinsic fire resistance or insulation integrity guarantee maximum operational safety and standard-compliant installation. Rely on certified quality – for maximum safety you can depend on in an emergency.



More information on
these products:
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RELIABLE INTRINSIC FIRE RESISTANCE IN THE EVENT OF FIRE – THE FK SERIES

The FK series offers a compact and reliable solution for installations with increased fire protection requirements. The cable junction boxes ensure tested intrinsic fire resistance according to DIN 4102-12 (E30–E90) as well as insulation integrity according to BS EN 50200 (PH 120) – in combination with system-tested cables. Thanks to heat-resistant ceramic terminals, the electrical connection is maintained even under extreme stress. The FK series was tested together with renowned cable manufacturers such as Dätwyler and Eupen – for maximum system safety and standard-compliant performance. **Further advantages:** high flexibility due to metric knockouts and included plug-in sockets or separate cable glands. Optionally with integrated protection

for maintaining the main line in the event of fire. When using the included accessories, such as screw anchors and sealing plugs, the specified protection class is not changed. **FK series – your tested system solution for reliable intrinsic fire resistance.**



PLANNING PROCESS FOR INTRINSIC FIRE RESISTANCE IN THE EVENT OF FIRE AND INSULATION INTEGRITY



1. Requirement

Country-specific requirements and laws must be observed!

- + During planning and execution, country-specific guidelines from legislators and authorities regarding fire protection requirements for cable systems must be observed.

2. E30 / E60 / E90 / PH120?

- + Intrinsic fire resistance E30 / E60 / E90 required for electrical cable systems in the event of fire – or
- + Is insulation integrity PH120 according to BS EN 50200 required?

3. Material selection

Material selection according to:

- + Functional class E30, E60 or E90 or insulation integrity, e.g. PH120
- + Cable junction or cable connection
- + Installation route within the building
- + Type of installation
- + Mounting options on the building structure
- + Approval of materials according to test certificate

4. Manufacturer selection

Country-specific requirements and laws must be observed!

Selection of the tested cable manufacturer according to:

- + Type of cable installation
- + Required Cable junction / cable connection

FK SERIES – UNCOMPROMISING SAFETY AND EFFICIENT INSTALLATION

TESTED INTRINSIC FIRE RESISTANCE –
RELIABLE POWER DISTRIBUTION
IN THE EVENT OF FIRE



What requirements must cable junction boxes meet?

+ Maximum safety in the event of fire

Certified intrinsic fire resistance up to 90 minutes (E30–E90) according to DIN 4102-12 as well as insulation integrity PH 120 – ensuring that safety-relevant systems can continue to operate even under extreme heat.

+ Maximum durability through quality materials

Heat-resistant ceramic terminals for reliable wiring in the event of fire.

+ Tested system solution with leading cable manufacturers

In cooperation with Dätwyler and Eupen, the system was tested with numerous cable types and cross-sections – for maximum compatibility and reliable function in an emergency.

+ Flexible installation

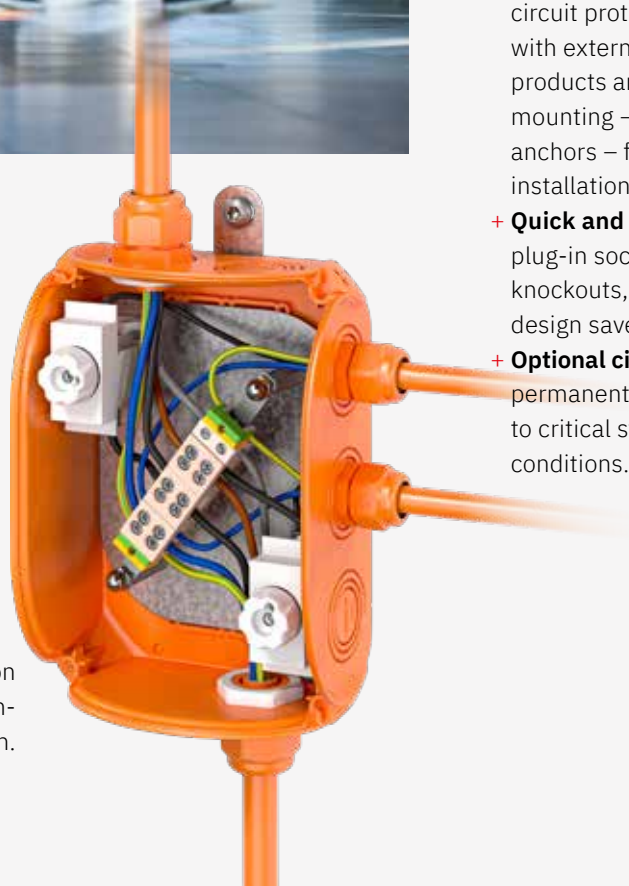
Products with circuit protection are equipped with external mounting. All other products are designed for internal mounting – including screw anchors – for simple and secure wall installation.

+ Quick and easy to install

included plug-in sockets, metric multi-stage knockouts, and pre-assembled design save time during installation.

+ Optional circuit protection

For permanently reliable power supply to critical systems – even under fire conditions.



FK series – the solution for fire protection-compliant electrical installation.

FK SERIES

WITH FUNCTIONAL AND
INSULATION INTEGRITY





Product benefits

- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Insulation integrity PH120 in accordance with BS EN 50200 in combination with insulation retaining cables
- + Screw anchors, high-temperature-resistant ceramic terminal and cable entries included as standard
- + Multi-level knockouts for cable glands in different sizes
- + Closes quickly by a quarter turn - locked position well visible (open - locked)
- + Material: PC-GFS polycarbonate
- + Burning behaviour: Glow wire test in accordance with IEC 60695-2-11: 960 °C, flame-retardant, self-extinguishing
- + Colour: orange, RAL 2003



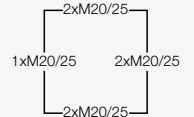
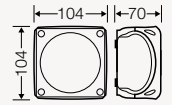
More information on
these products:
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FK 0402

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 104 x 104 x 70 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 2 x 0.5 mm² - 1.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm², solid, round, Cu
 - 1 x 6 mm², solid, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 7 x M20, M25 (wall)
- + Included grommets 3x EDKF 25: IP65, Sealing range 9 mm - 17 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

| | |
|--------------------------|------------------------------------------|
| Rated insulation voltage | $U_i = 400 \text{ V}$ |
| Rated current | $I_n = 32 \text{ A}$ |
| Application area | Normal environment and protected outdoor |

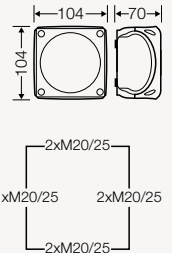




FK 0404

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 104 x 104 x 70 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 4 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 2 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm² - 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 7 x M20, M25 (wall)
- + Included grommets 3x EDKF 25: IP65, Sealing range 9 mm - 17 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

| | |
|--------------------------|------------------------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 57 A |
| Application area | Normal environment and protected outdoor |



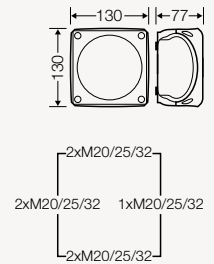


FK 0604

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 130 x 130 x 77 mm

- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 4 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 2 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm² - 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 7 x M20, M25, M32 (wall)
- + Included grommets 3x EDKF 32: IP65, Sealing range 8 mm - 23 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor



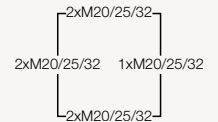
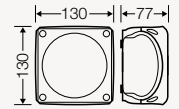
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|--------------------------|------------------------------------------|
| Rated insulation voltage | $U_i = 400 \text{ V}$ |
| Rated current | $I_n = 57 \text{ A}$ |
| Application area | Normal environment and protected outdoor |



FK 0606

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 130 x 130 x 77 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 6 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 4 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 3 x 4 mm², solid, stranded, flexible, round, Cu
 - 2 x 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, stranded, flexible, round, Cu
 - 1 x 16 mm², stranded, flexible, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 7 x M20, M25, M32 (wall)
- + Included grommets 3x EDKF 32: IP65, Sealing range 8 mm - 23 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

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|--------------------------|------------------------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 76 A |
| Application area | Normal environment and protected outdoor |

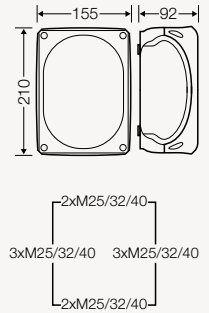




FK 1608

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 155 x 210 x 92 mm



- + 10-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 2 x 0.5 mm² - 1.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm², solid, round, Cu
 - 1 x 6 mm², solid, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 10 x M25, M32, M40 (wall)
- + Included cable entry 4x EDKF 25: IP65, Sealing range 9 mm - 17 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

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|--------------------------|------------------------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 32 A |
| Application area | Normal environment and protected outdoor |

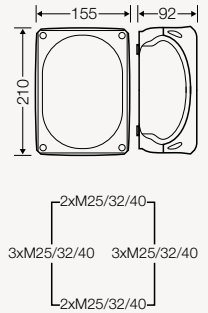




FK 1606

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 155 x 210 x 92 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 6 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 4 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 3 x 4 mm², solid, stranded, flexible, round, Cu
 - 2 x 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, stranded, flexible, round, Cu
 - 1 x 16 mm², stranded, flexible, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 10 x M25, M32, M40 (wall)
- + Included grommets 3x EDKF 32: IP65, Sealing range 8 mm - 23 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

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|--------------------------|------------------------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 76 A |
| Application area | Normal environment and protected outdoor |

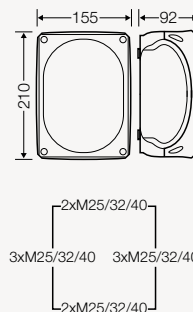




FK 1610

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 155 x 210 x 92 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 4 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 2 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm² - 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 10 x M25, M32, M40 (wall)
- + Included grommets 3x EDKF 32: IP65, Sealing range 8 mm - 23 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

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|--------------------------|------------------------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 57 A |
| Application area | Normal environment and protected outdoor |

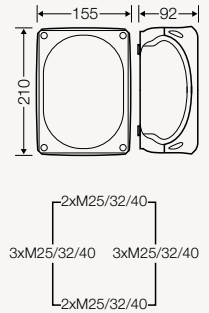




FK 1616

With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 155 x 210 x 92 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 - 6 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 4 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 3 x 4 mm², solid, stranded, flexible, round, Cu
 - 2 x 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, stranded, flexible, round, Cu
 - 1 x 16 mm², stranded, flexible, round, Cu
- + Position of cable entry: wall
- + With metric knockouts
- + Metric knockouts: 10 x M25, M32, M40 (wall)
- + Included grommets 3x EDKF 40: IP65, Sealing range 11 mm - 30 mm
- + IP 66 using AKMF cable glands, please order separately
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen for the intrinsic fire resistance E30, E60, E90; see test certificate. Download at www.hensel.in
- + Tested for insulation integrity in accordance with BS EN 50200 in connection with insulation retaining cables, see test certificate, download available from www.hensel.in > type - documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Included accessories: screw anchor

| | |
|--------------------------|------------------------------------------|
| Rated insulation voltage | $U_i = 400 \text{ V}$ |
| Rated current | $I_n = 76 \text{ A}$ |
| Application area | Normal environment and protected outdoor |

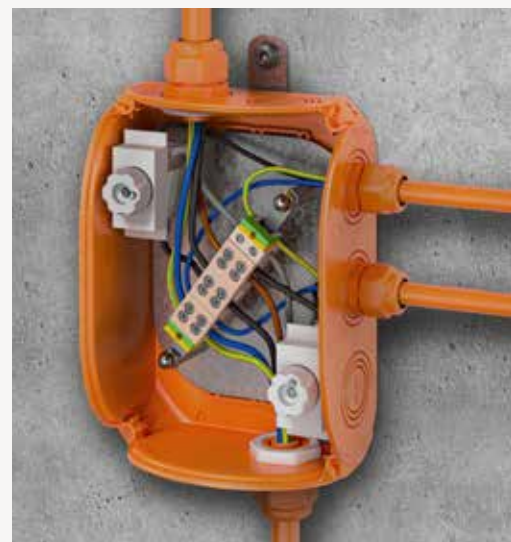


FK-SERIE

WITH FUNCTIONAL AND INSULATION INTEGRITY

with fused branch

NEW



Product benefits

- + Thanks to the FK 1604 1F/2F models' own protection, the main circuit's functional integrity remains guaranteed.
- + Intrinsic fire resistance in accordance with DIN 4102-12 (German standard) in combination with function-retaining cables

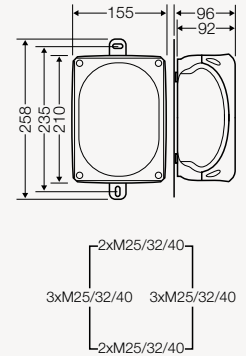
- + Insulation integrity PH120 in accordance with BS EN 50200 in combination with insulation retaining cables
- + Screw anchors, high-temperature-resistant ceramic terminal and cable entries included as standard
- + Multi-level knockouts for cable glands in different sizes
- + Closes quickly by a quarter turn - locked position well visible (open - locked)
- + Material: PC-GFS polycarbonate
- + Burning behaviour: Glow wire test in accordance with IEC 60695-2-11: 960 °C, flame-retardant, self-extinguishing
- + Colour: orange, RAL 2003



FK 1604 1F

With integrated D01 fuse element for a protected outgoing circuit

Dimensions H x W x D: 155 x 210 x 92 mm



- + Conductor connection and torques:
 - PE: 2 x 4 mm² - 6 mm², solid, 16 mm, 1 Nm
 - PE: 4 x 0.5 mm² - 2.5 mm², solid, 16 mm, 1 Nm
 - N + L1: 1 x 1.5 mm² - 4 mm², solid, 6 mm, 0.5 Nm
 - L2 + 3: 1 x 4 mm² - 6 mm², solid, 6 mm, 0.5 Nm
 - D01: 2 x 1.5 mm² - 4 mm², solid, 12 mm, 1.2 Nm
- + Conduit entry location: wall
- + With metric knockouts
- + Metric knockouts: 10 x M25, M32, M40 (wall)
- + Included Grommets 1x EDKF 32 (Indoor installation): IP65, sealing range 8 mm - 23 mm
- + Order cable entry AKMF for IP 66 separately.
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with cable manufacturers Dätwyler, Eupen for the function preservation classes E30, E60, E90, see test certificate. Download at www.hensel.in
- + Tested for insulation integrity PH120 in accordance with BS EN 50200 in combination with insulation-preserving cables; see test certificate, download at hensel.in - FK 1604 1F - Documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12.
- + Suitable for box wall: screw anchor



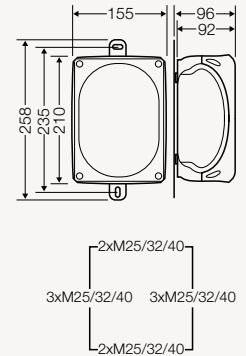
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|--------------------------|------------------------|
| Rated insulation voltage | U _i = 400 V |
| Application area | Indoor installation |



FK 1604 2F

With integrated D01 fuse element for a protected outgoing circuit

Dimensions H x W x D: 155 x 210 x 92 mm

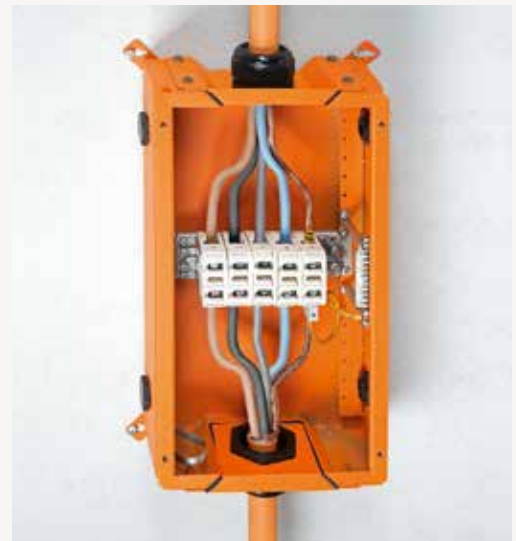


- + Conductor connection and torques:
 - PE: 2 x 4 mm² - 6 mm², solid, 16 mm, 1 Nm
 - PE: 4 x 0.5 mm² - 2.5 mm², solid, 16 mm, 1 Nm
 - N + L1: 1 x 1.5 mm² - 4 mm², solid, 6 mm, 0.5 Nm
 - L2 + 3: 1 x 4 mm² - 6 mm², solid, 6 mm, 0.5 Nm
 - D01: 2 x 1.5 mm² - 4 mm², solid, 12 mm, 1.2 Nm
- + Conduit entry location: wall
- + With metric knockouts
- + Metric knockouts: 10 x M25, M32, M40 (wall)
- + Included Grommets 1x EDKF 32 (Indoor installation): IP65, sealing range 8 mm - 23 mm
- + Order cable entry AKMF for IP 66 separately.
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with cable manufacturers Dätwyler, Eupen for the function preservation classes E30, E60, E90, see test certificate. Download at www.hensel.in
- + Tested for insulation integrity PH120 in accordance with BS EN 50200 in combination with insulation-preserving cables; see test certificate, download at hensel.in - FK 1604 2F - Documents
- + Screw anchors enclosed can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12
- + Suitable for box wall: screw anchor



| | |
|--------------------------|------------------------|
| Rated insulation voltage | U _i = 400 V |
| Application area | Indoor installation |

FK-SERIES MADE OF SHEET STEEL FOR PROTECTED INSTALLATION



Product benefits

- + Functional integrity in accordance with DIN 4102-12 in combination with functional cables
- + Insulation integrity PH120 in accordance with BS EN 50200 in combination with insulation retaining cables
- + Protection against accidental contact is ensured by the enclosure
- + External brackets for fastening
- + Cable junction box for large conductor cross-sections up to 50 mm²
- + Communication junction box E30 for the installation of various connecting devices for telecommunications
- + Material: sheet steel, powder-coated
- + Colour: orange, RAL 2003



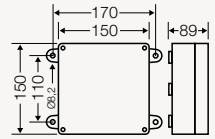
More information on
these products:
hensel.in



FK 9025

with terminals made from ceramic with resistance to high temperatures

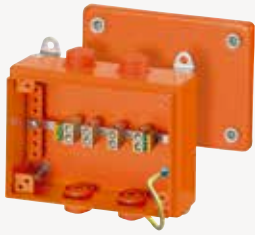
Dimensions H x W x D: 150 x 150 x 89 mm



- + 5-pole terminal with 2 clamping units per pole, Screw connection
- + Terminal cross-section per clamping unit:
 - 2 x 0.5 mm² - 1.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm², solid, round, Cu
 - 1 x 6 mm², solid, round, Cu
- + Mounted cable entries 4x EDKF 32, sealing range 8 mm - 23 mm
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with cable manufacturers Dätwyler, Eupen, Nexans, Pirelli, Leoni Studer for the function preservation classes E30, E90, see test certificate. Download at www.hensel.in
- + Tested for insulation integrity PH120 in accordance with BS EN 50200 in conjunction with insulation-preserving cables; see test certificate, download at hensel.in - FK 9025 - Documents
- + ~The attached screw anchors can be used for concrete C20/C25, limestone blocks KSV 12, masonry brick MZ 12 and clinker bricks KS 12.
- + Sealing range of the cable entry: Ø 8 mm - 23 mm
- + Suitable for box wall: external brackets

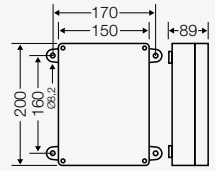
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| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 32 A |
| Application area | Indoor installation |





FK 9105

with terminals made from ceramic with resistance to high temperatures
 Dimensions
 H x W x D: 150 x 200 x 89 mm



- + 5-pole terminal with 2 clamping units per pole, Screw connection
- + Terminal cross-section per clamping unit:
 - 4 x 1.5 mm², solid, stranded, flexible, round, Cu
 - 2 x 2.5 mm², solid, stranded, flexible, round, Cu
 - 1 x 4 mm² - 6 mm², solid, stranded, flexible, round, Cu
 - 1 x 10 mm², solid, round, Cu
- + Mounted cable entries 4x EDKF 32, sealing range 8 mm - 23 mm
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with cable manufacturers Dätwyler, Eupen, Nexans, Pirelli, Leoni Studer for the function preservation classes E30, E90, see test certificate. Download at www.hensel.in
- + Tested for insulation integrity PH120 in accordance with BS EN 50200 in conjunction with insulation-preserving cables; see test certificate, download at hensel.in - FK 9105 - Documents
- + ~The attached screw anchors can be used for concrete C20/C25, limestone blocks KSV 12, masonry brick MZ 12 and clinker bricks KS 12.
- + Sealing range of the cable entry: Ø 8 mm - 23 mm
- + Suitable for box wall: external brackets

| | |
|--------------------------|------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 57 A |
| Application area | Indoor installation |

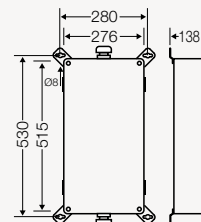




FK 6505

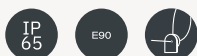
With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 276 x 515 x 138 mm



- + 5-pole terminal with 2 clamping units per pole, screw connection
- + Terminal cross-section per clamping unit:
 3 x 16 mm², solid, stranded, round, Cu
 2 x 25 mm² - 35 mm², solid, stranded, round, Cu
 1 x 50 mm², solid, stranded, round, Cu
- + Mounted cable entries 2x ASS 63, sealing range 20 mm - 48 mm
- + On the longitudinal sides each with 2 locking screws M 50
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + Tested with the cable manufacturers Dätwyler, Eupen, Nexans, Pirelli, Leoni Studer, Prysmian for the intrinsic fire resistance E90; see test certificate. Download at www.hensel.in

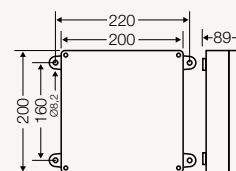
| | |
|--------------------------|------------------------------------------|
| Rated insulation voltage | U _i = 690 V |
| Rated current | I _n = 150 A |
| Application area | Normal environment and protected outdoor |



FK 9259

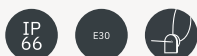
With terminals made from ceramic with resistance to high temperatures

Dimensions H x W x D: 200 x 200 x 80 mm



- + 5-pole terminal with 2 clamping units per pole, Screw connection
- + Terminal cross-section per clamping unit:
 1 x 1.5 mm² - 10 mm², solid, stranded, flexible, flexible with end ferrule, round, Cu
- + Mounted cable entries 4x EDKF 40, sealing range 11 mm - 30 mm
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + ~The attached screw anchors can be used for concrete C20/C25, limestone blocks KSV 12, masonry brick MZ 12 and clinker bricks KS 12.
- + Sealing range of the cable entry: Ø 11 mm - 30 mm
- + Suitable for box wall: external brackets

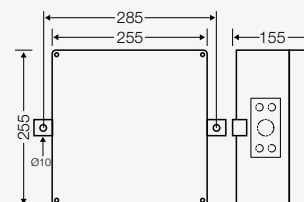
| | |
|--------------------------|------------------------|
| Rated insulation voltage | U _i = 400 V |
| Rated current | I _n = 57 A |
| Application area | Indoor installation |





FK 5000

Communication junction box E30 for the installation of connecting device for telecommunications Dimensions H x W x D: 255 x 255 x 160 mm



- + With mounting brackets for the installation of connecting device for telecommunications
- + Position of cable entry: wall
- + Sealing range: 4 x 0 mm - 36 mm (wall)
16 x 0 mm - 14 mm (wall)
- + Cable entry via elastic membranes
- + Intrinsic fire resistance in accordance with DIN 4102 Part 12 (German standard) in combination with function-retaining cables
- + The attached screw anchors can be used for concrete \geq C20/25, B25 up to \leq C50/60, B55
- + The use of this equipment requires the approval from the building and regulatory authorities for the individual case
- + General approval by the German building authorities DIBt: Z-86.1-37, Celsion fire protection systems, download at www.hensel.in > FK 5000 - documents

| | |
|--------------------------|------------------------------------------|
| Rated insulation voltage | $U_i = 400 \text{ V}$ |
| Material | Sheet steel, powder-coated |
| Application area | Normal environment and protected outdoor |





FK 5110

Connecting device for telecommunications

- + Maximum number of paired cables: 10
- + Connection type: LSA-plus
- + For installation on mounting brackets in FK 5000
- + Suitable for a solid conductor with diameter of 0.4 up to 0.8 mm or for two identical solid conductors with diameters of 0.4 up to 0.65 mm
- + Included accessories: fastening material



FK 5120

Connecting device for telecommunications

- + Maximum number of paired cables: 20
- + Connection type: LSA-plus
- + For installation on mounting brackets in FK 5000
- + Suitable for a solid conductor with diameter of 0.4 up to 0.8 mm or for two identical solid conductors with diameters of 0.4 up to 0.65 mm
- + Included accessories: fastening material



FK 5210

Connecting device for telecommunications

- + Maximum number of paired cables: 10
- + Connection type: units per pole, screw connection
- + For installation on mounting brackets in FK 5000
- + Suitable for a solid conductor with diameter of 0.4 up to 0.8 mm or for two identical solid conductors with diameters of 0.4 up to 0.65 mm
- + Included accessories: fastening material



FK 5220

Connecting device for telecommunications

- + Maximum number of paired cables: 20
- + Connection type: units per pole, screw connection
- + For installation on mounting brackets in FK 5000
- + Suitable for a solid conductor with diameter of 0.4 up to 0.8 mm or for two identical solid conductors with diameters of 0.4 up to 0.65 mm
- + Included accessories: fastening material



AKMF 20

For intrinsic fire resistance

Cable glands

For knockouts M20

- + With strain relief and locknut
- + Sealing range of the cable entry: Ø 6.5 mm - 13.5 mm
- + Diameter: Ø 20.3 mm
- + Suitable for wall thickness: up to 3 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 55 °C



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|------------------|----------------------|
| Application area | Outdoor installation |
|------------------|----------------------|



AKMF 25

For intrinsic fire resistance

Cable glands

For knockouts M25

- + With strain relief and locknut
- + Sealing range of the cable entry: Ø 11 mm - 17 mm
- + Diameter: Ø 25.3 mm
- + Suitable for wall thickness: up to 3 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 55 °C



| | |
|------------------|----------------------|
| Application area | Outdoor installation |
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AKMF 32

For intrinsic fire resistance

Cable glands

For knockouts M32

- + With strain relief and locknut
- + Sealing range of the cable entry: Ø 15 mm - 21 mm
- + Diameter: Ø 32.3 mm
- + Suitable for wall thickness: up to 3 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 55 °C



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|------------------|----------------------|
| Application area | Outdoor installation |
|------------------|----------------------|



AKMF 40

For intrinsic fire resistance

Cable glands

For knockouts M40

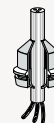
- + With strain relief and locknut
- + Sealing range of the cable entry: Ø 19 mm - 28 mm
- + Diameter: Ø 40.3 mm
- + Suitable for wall thickness: up to 3 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 55 °C



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| Application area | Outdoor installation |
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EDKF 20
 Grommets
 For knockouts M20



- + Sealing range of the cable entry: Ø 6 mm - 13 mm
- + Diameter: Ø 20.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 35 °C

IP
65

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| Application area | Normal environment and protected outdoor |
|------------------|------------------------------------------|



EDKF 25
 Grommets
 For knockouts M25



- + Sealing range of the cable entry: Ø 9 mm - 17 mm
- + Diameter: Ø 25.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 35 °C

IP
65

| | |
|------------------|------------------------------------------|
| Application area | Normal environment and protected outdoor |
|------------------|------------------------------------------|



EDKF 32
 Grommets
 For knockouts M32



- + Sealing range of the cable entry: Ø 8 mm - 23 mm
- + Diameter: Ø 32.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 35 °C

IP
65

| | |
|------------------|------------------------------------------|
| Application area | Normal environment and protected outdoor |
|------------------|------------------------------------------|



EDKF 40
 Grommets
 For knockouts M40



- + Sealing range of the cable entry: Ø 11 mm - 30 mm
- + Diameter: Ø 40.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature - 25 °C to + 55 °C
- + Maximum ambient temperature 24 h: 35 °C

IP
65

| | |
|------------------|------------------------------------------|
| Application area | Normal environment and protected outdoor |
|------------------|------------------------------------------|

NOTES

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