



DESIGNED AND CERTIFIED
UNDER THE DIRECTIVE 2014/30/UE

EMC SWITCHES (ELECTROMAGNETIC COMPATIBILITY)

| | |
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We are committed to working closely with our customers, providing them with **exceptional service** and offering an advanced and extensive range of products with very competitive prices.

CUSTOMIZE TOTALLY YOUR SAFETY SWITCH

Our production systems can give custom-made solutions **on demand**. Every colour from RAL chart is available to be personalized. A variety of protection standards thanks to our own painting facilities.



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EMC SERIES iHATHOR SAFETY SWITCHES

Electromagnetic Compatibility is defined in the EMC Directive as “the ability of equipments to function satisfactorily in a electromagnetic environment without introducing intolerable electromagnetic disturbances to other equipment in the same environment” and covers two basic principles:

- Not to disturb the other equipment and not to emit disturbances above a given level (this is called “disturbance emission”).
- Not to be disturbed by other equipment with a sufficient level of protection so as not to be disturbed easily (this is called “disturbance immunity”).

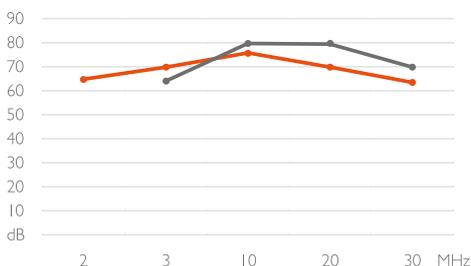
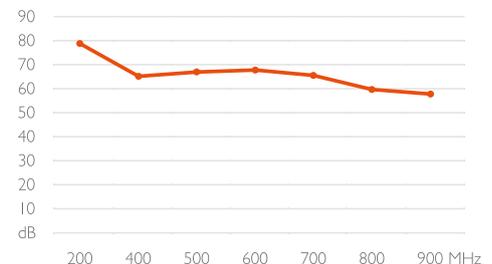
Electric, magnetic and electromagnetic fields are everywhere. Also around safety and isolation switches: they are mostly conventional electromagnetic fields such as grid connection lines, signal and control lines, and electrical and electronic modules which radiate electromagnetic fields.

iHATHOR safety and isolation switches gives the protection needed for conventional electromagnetic fields. However, for some intense electromagnetic fields like microwaves, EDM facilities by arc, HF welding technique it is necessary to create a complete screening effect.

EFFECTIVENESS OF SCREENING IN EMC IHATHOR SWITCHES

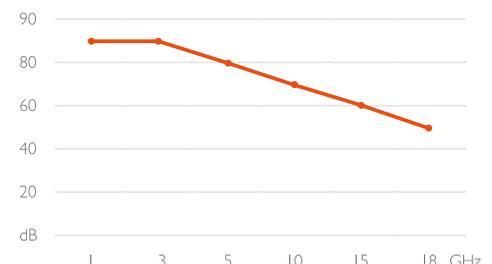
iHATHOR safety and isolation switches offer optimum shielding effect to achieve electromagnetic compatibility, both in conventional and strong electromagnetic fields.

| FREQUENCY | ELECTRIC FIELD AND PLANE WAVES |
|-----------|--------------------------------|
| 200 MHz | 78 dB |
| 400 MHz | 64 dB |
| 500 MHz | 66 dB |
| 600 MHz | 67 dB |
| 700 MHz | 64 dB |
| 800 MHz | 60 dB |
| 900 MHz | 58 dB |



| FREQUENCY | MAGNETIC FIELD | ELECTRIC FIELD |
|-----------|----------------|----------------|
| 2 MHz | -- | 66 dB |
| 3 MHz | 63 dB | -- |
| 10 MHz | 80 dB | 75 dB |
| 20 MHz | 80 dB | 69 dB |
| 30 MHz | 70 dB | 65 dB |

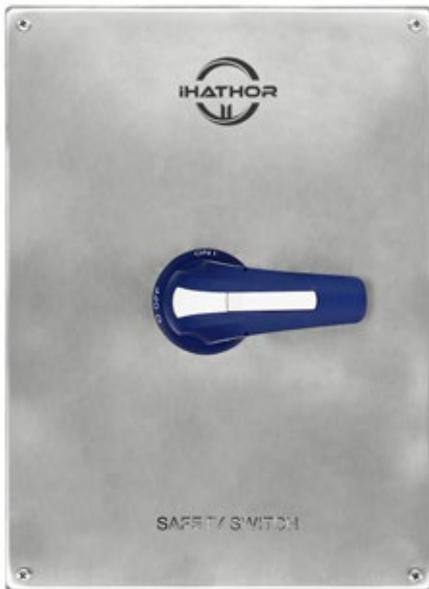
| FREQUENCY | PLANE WAVES |
|-----------|-------------|
| 1 GHz | 86 dB |
| 3 GHz | 86 dB |
| 5 GHz | 80 dB |
| 10 GHz | 69 dB |
| 15 GHz | 60 dB |
| 18 GHz | 50 dB |



EMC SERIES iHATHOR SAFETY SWITCHES



Examples



**Provide Safety
to your Property
and your Personnel**

iHATHOR EMC Series is a full line of safety and isolation switches of indoor and outdoor applications (made in stainless steel AISI 304L). We design and manufacture every product ourselves in our own factories. Focused heavily on safety, iHATHOR's switching device product line brings state-of-the-art designs that can even be customized to fit your unique needs. iHATHOR switch disconnectors on-load, are available from 20A to 1800A, a large range for solving the different necessity in an electromagnetic environment. Achieving an optimal design for facility it's installation and operation. Key on hand.



[FOR MORE INFORMATION CLICK HERE](#)



EMC SERIES iHATHOR SAFETY SWITCHES

APPLICATIONS

Safely cut off electricity in your electrical installations: aeronautics, medical equipment, professional electronics, safe in solar and wind renewable energy, offshore, maritime, power distribution, food industry, manufacturing machinery and other general industries.

iHATHOR safety switches are reliable and provide safety to your property and your personnel in addition to providing:

- Protection against in a electromagnetic environment.
- Protection against overcurrent.
- Protection against circuit overloads.
- Protection against short circuiting.

NORMATIVE

- Complies with 2014/30/UE and EMC Directive 2014/35/UE.
- IEC/EN 60947-3
- IP66 Norm IEC EN 62208 and EN 60529.
- Maximum IK10 resistance Norm IEC62208 and IEC 62262.
- UE Directive of low voltage 2014/35/UE.
- Materials intended to come into contact with food, CE 1935/2004.
- Offshore, maritime grade IP66.
- UL Standard(s) Safety: UL508A- Industrial Control Panels, CSA C22.2 No.14- Industrial Control Equipment.

ADVANTAGES

- Ready for installation in a electromagnetic environment.
- Compact design.
- Possibilities in custom housing design.
- Versatility.
- Fast delivery time.
- Custom designs available.
- Quantity discount.



OPTIONS

- The most standard products are presented, options are available upon request.
- Option multiple of switch, n° of poles, current, aux. contacts,...
- Drills in base your needs.
- Option of different supports.
- Option of manufactured in different materials: stainless steel AISI 316L (enclosure maritime grade) or painted galvanized steel finish in RAL 7035 or another color.
- Design on IP67 or IP68 box.
- Possibility of Atex load switch.

iHATHOR SWITCH DISCONNECTOR EMC BKP SERIES



Example 20A - 25A - 40A



Example 63A - 80A



Example 100A - 125A

**Available in a Wide Range
of Currents from 20A Up 125A**

iHATHOR switch disconnectors available in a wide range of currents from 20A up 125A. EMC BKP Series has been designed according to standard IEC/EN60947-3 and 2014/30/UE for its use in low voltage civil and industrial installations and electromagnetic environment; also are certificated to UL 508 for use as manual motor controllers.



FOR MORE INFORMATION CLICK HERE

TECHNICAL INFORMATION

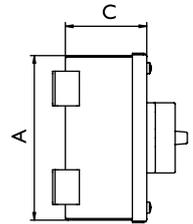
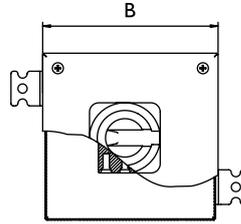
iHATHOR SWITCH DISCONNECTORS - EMC BKP SERIES

| ACCORDING TO VDE 0660, IEC/EN 60947-3, IEC/EN 60947-5-1 | | | 20 | 25 | 40 | 63 | 80 | 125 | |
|---|------------------|-------------------|---------|-----|------|-----|-----------|------|-----|
| Rated thermal current | I _{th} | A | 20 | 25 | 40 | 63 | 80 | 125 | |
| Rated thermal current enclosed | I _{the} | A | 20 | 25 | 40 | 63 | 80 | 110 | |
| Rated insulation voltage | U _i | V | 690 | 690 | 690 | 690 | 690 | 1000 | |
| Rated impulse withstands voltage | U _{imp} | kV | 6 | 6 | 6 | 6 | 6 | 8 | |
| Rated operational current AC | I _e | AC21A | A | 20 | 25 | 40 | 63 | 80 | 125 |
| Making capacity | I _{eff} | 3x380-440V | A | 160 | 190 | 300 | 370 | 440 | 850 |
| Breaking capacity | | 3x220-240V | A | 160 | 180 | 250 | 330 | 380 | 680 |
| Breaking capacity | | 3x380-440V | A | 160 | 180 | 250 | 330 | 380 | 680 |
| Breaking capacity | | 3x660-690V | A | 80 | 110 | 170 | 190 | 220 | 420 |
| Direct switching motors | AC3 | 3x400V | A | 12 | 16 | 30 | 37 | 37 | 72 |
| Direct switching motors | AC3 | 3x220-240V | kW | 3 | 4 | 7,5 | 11 | 11 | 22 |
| Direct switching motors | | 3x380-440V | kW | 5,5 | 7,5 | 15 | 18,5 | 18,5 | 37 |
| Direct switching motors | | 3x660-690V | kW | 5,5 | 7,5 | 15 | 18,5 | 18,5 | 30 |
| Main & safety switch | AC23 | 3x400V | A | 16 | 20 | 32 | 45 | 45 | 85 |
| Main & safety switch | AC23A | 3x220-240V | kW | 4 | 5,5 | 9 | 15 | 15 | 30 |
| Main & safety switch | AC23B | 3x380-440V | kW | 7,5 | 10 | 16 | 22 | 22 | 45 |
| Main & safety switch | | 3x660-690V | kW | 5,5 | 7,5 | 15 | 18,5 | 18,5 | 37 |
| Rated conditional short-circuit current | | kA _{eff} | 10 | 10 | 10 | 10 | 10 | 10 | |
| Max. fuse size | gL (gG) | A | 25 | 35 | 50 | 63 | 80 | 125 | |
| Rated short-time withstand current 1 s. | I _{cw} | A | 250 | 300 | 500 | 600 | 850 | 1500 | |
| Mechanical life | | x10 ³ | 200 | 200 | 200 | 100 | 100 | 100 | |
| CONNECTING CAPACITY | | | | | | | | | |
| Solid or stranded cable | | mm ² | 0,5-10 | | 1-25 | | 4-50 | | |
| Solid or stranded cable | | AWG | 20-8 | | 16-4 | | 10-0 (10) | | |
| Flexible cable | | mm ² | 0,5-6 | | 4-16 | | 10-35 | | |
| Flexible cable | | AWG | 20-10 | | 16-6 | | 8-2 | | |
| Size of terminal screw | | | M3,5 | | M5 | | M6 | | |
| Tightening torque | | Nm | 0,8-1,7 | | 2-4 | | 3,5-4,5 | | |

iHATHOR SWITCH DISCONNECTOR EMC BKP SERIES

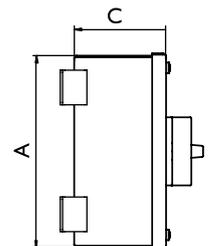
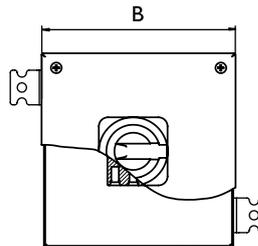
PLANS AND REFERENCES

BKP SERIES | 20A-25A-40A



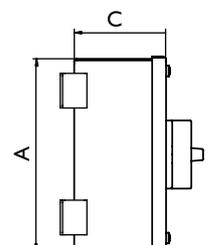
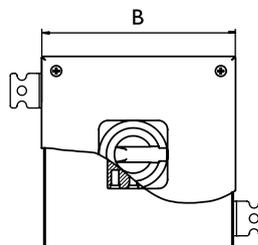
| EMC BKP SERIES (20A - 25A - 40A) | | DIMENSIONS (mm) | | | |
|----------------------------------|------------|-----------------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| BKP20A3PM | 160 | 160 | 90 | 20 | 3 |
| BKP20A4PM | 160 | 160 | 90 | 20 | 4 |
| BKP25A3PM | 160 | 160 | 90 | 25 | 3 |
| BKP25A4PM | 160 | 160 | 90 | 25 | 4 |
| BKP40A3PM | 160 | 160 | 90 | 40 | 3 |
| BKP40A4PM | 160 | 160 | 90 | 40 | 4 |

BKP SERIES | 63A-80A



| EMC BKP SERIES (63A - 80A) | | DIMENSIONS (mm) | | | |
|----------------------------|------------|-----------------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| BKP63A3PM | 200 | 200 | 120 | 63 | 3 |
| BKP63A4PM | 200 | 200 | 120 | 63 | 4 |
| BKP80A3PM | 200 | 200 | 120 | 80 | 3 |
| BKP80A4PM | 200 | 200 | 120 | 80 | 4 |

BKP SERIES | 100A-125A



| EMC BKP SERIES (100A - 125A) | | DIMENSIONS (mm) | | | |
|------------------------------|------------|-----------------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| BKP100A3PM | 200 | 200 | 120 | 100 | 3 |
| BKP100A4PM | 200 | 200 | 120 | 100 | 4 |
| BKP125A3PM | 200 | 200 | 120 | 125 | 3 |
| BKP125A4PM | 200 | 200 | 120 | 125 | 4 |

iHATHOR SWITCH DISCONNECTOR EMC H0 SERIES



Example

**Rated Breaking Current
of Up to 8 Times
the Rated Operational Current**

Switch disconnectors on-load EMC H0 Series, are available from 125A for 250A, versions under request on order. Rated breaking current of up to 8 times the rated operational current, with ability to establish and support short circuit currents up to 100kA; uninterrupted duties in extreme tropic and polar conditions, as well electromagnetic environment.



FOR MORE INFORMATION CLICK HERE

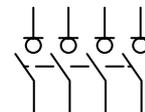
TECHNICAL INFORMATION

| iHATHOR SWITCH DISCONNECTORS - EMC H0 SERIES | | | | | | | |
|--|------------------|---------------------|-----------|------|------|------|---------------------|
| ACCORDING TO IEC/EN 60947-3 | | | | 125 | 160 | 200 | 250 |
| Rated thermal current in ambient at | I _{th} | 40°C | A | 125 | 160 | 200 | 250 |
| Rated thermal current in ambient at | I _{th} | 50°C | A | 125 | 160 | 200 | 250 |
| Rated thermal current in ambient at | I _{th} | 60°C | A | 125 | 160 | 200 | 250 |
| Rated insulation voltage | U _i | | V | 1000 | 1000 | 1000 | 1000 |
| Rated impulse withstands voltage | U _{imp} | | kV | 8 | 8 | 8 | 8 |
| AC rated operational current* ⁽¹⁾ | I _e | U _e 400V | AC21A | A | 125 | 160 | 200 |
| AC rated operational current* ⁽¹⁾ | I _e | U _e 400V | AC22A | A | 125 | 160 | 250* ⁽³⁾ |
| AC rated operational current* ⁽¹⁾ | I _e | U _e 400V | AC23A | A | 125 | 160 | 160 |
| Rated breaking capacity | | 400V | AC23 | A | 1000 | 1280 | 1280 |
| Rated making capacity | | 400V | AC23 | A | 1250 | 1600 | 1600 |
| SHORT - CIRCUIT BEHAVIOUR | | | | 125 | 160 | 200 | 250 |
| Rated short-circuit making capacity* ⁽²⁾ | I _{cm} | | kA (beak) | 13 | 13 | 13 | 13 |
| Rated short-time withstand current I _s . | I _{cw} | | kA rms | 7 | 7 | 7 | 7 |
| MECHANICAL FEATURES | | | | 125 | 160 | 200 | 250 |
| Number of mechanical operations (according to the standars, for other values please consult) | | | Cycles | 8000 | 8000 | 8000 | 8000 |
| Maximum weight 3P | | | Kg | 0,85 | 0,85 | 0,9 | 0,9 |
| Maximum weight 3P + N | | | Kg | 1 | 1 | 1 | 1 |

*⁽¹⁾ Other voltages and/or utilization categories. Please consult.

*⁽²⁾ Without limiting protective device (short-circuit maintained 50ms. - 100ms.)

*⁽³⁾ Intensidad de empleo AC22B.

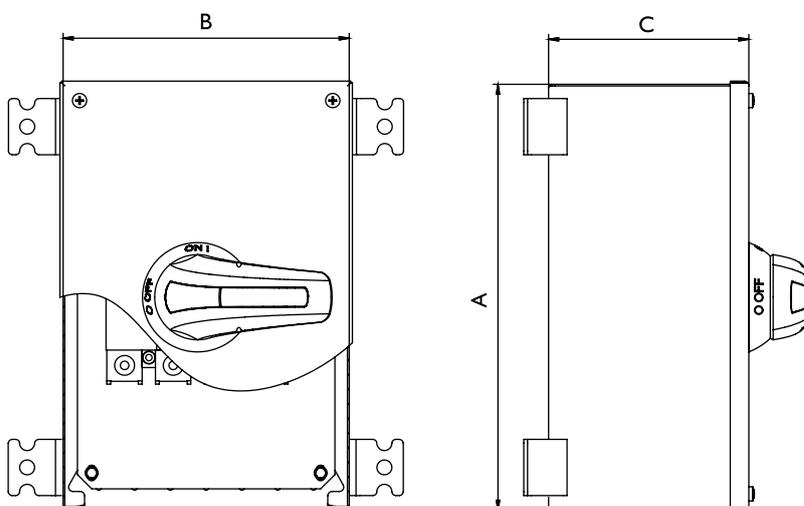


4P

Also available 4P switch - disconnectors under request

iHATHOR SWITCH DISCONNECTOR EMC H0 SERIES

PLANS AND REFERENCES



| EMC H0 SERIES | DIMENSIONS (mm) | | | | |
|---------------|-----------------|-----------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| HI 25A3PPM | 300 | 200 | 150 | 125A | 3 |
| HI 60A3PPM | 300 | 200 | 150 | 160A | 3 |
| HI 25A4PPM | 300 | 200 | 150 | 125A | 4 |
| HI 60A4PPM | 300 | 200 | 150 | 160A | 4 |
| HI 25A3PBM | 300 | 200 | 150 | 125A | 3 |
| HI 60A3PBM | 300 | 200 | 150 | 160A | 3 |
| H200A3PBM | 300 | 200 | 150 | 200A | 3 |
| HI 25A4PBM | 300 | 200 | 150 | 125A | 4 |
| HI 60A4PBM | 300 | 200 | 150 | 160A | 4 |
| H200A4PBM | 300 | 200 | 150 | 200A | 4 |
| H200A3PPM | 400 | 300 | 150 | 200A | 3 |
| H250A3PPM | 400 | 300 | 150 | 250A | 3 |
| H200A4PPM | 400 | 300 | 150 | 200A | 4 |
| H250A4PPM | 400 | 300 | 150 | 250A | 4 |

PP: strip connection

PB: flange connection



iHATHOR SWITCH DISCONNECTOR EMC HI SERIES



Example

**Rated Breaking Current
of Up to 8 Times
the Rated Operational Current**

Switch disconnectors on-load EMC HI Series, are available from 315A for 400A, versions under request on order. Rated breaking current of up to 8 times the rated operational current, with ability to establish and support short circuit currents up to 100kA; uninterrupted duties in extreme tropic and polar conditions, as well electromagnetic environment.

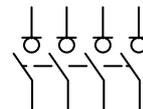
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TECHNICAL INFORMATION

| iHATHOR SWITCH DISCONNECTORS - EMC HI SERIES | | | | | | |
|--|------------------|---------------------|-----------|------|------|------|
| ACCORDING TO IEC/EN 60947-3 | | | | 315 | 400 | |
| Rated thermal current in ambient at | I _{th} | 40°C | A | 315 | 400 | |
| Rated thermal current in ambient at | I _{th} | 50°C | A | 315 | 400 | |
| Rated thermal current in ambient at | I _{th} | 60°C | A | 315 | 400 | |
| Rated insulation voltage | U _i | | V | 1000 | 1000 | |
| Rated impulse withstands voltage | U _{imp} | | kV | 8 | 8 | |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC21A | A | 315 | 400 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC22A | A | 315 | 400 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC23A | A | 315 | 400 |
| Rated breaking capacity | | 400V | AC23 | A | 2520 | 3200 |
| Rated making capacity | | 400V | AC23 | A | 3150 | 4000 |
| SHORT - CIRCUIT BEHAVIOUR | | | | 315 | 400 | |
| Rated short-circuit making capacity ^{*(2)} | I _{cm} | | kA (beak) | 20 | 20 | |
| Rated short-time withstand current I _s | I _{cw} | | kA rms | 12 | 12 | |
| MECHANICAL FEATURES | | | | 315 | 400 | |
| Number of mechanical operations (according to the standars, for other values please consult) | | | Cycles | 8000 | 5000 | |
| Maximum weight 3P | | | Kg | 1,7 | 1,9 | |
| Maximum weight 3P + N | | | Kg | 1,9 | 2,1 | |

*⁽¹⁾ Other voltages and/or utilization categories. Please consult.

*⁽²⁾ Without limiting protective device (short-circuit maintained 50ms. - 100ms.)

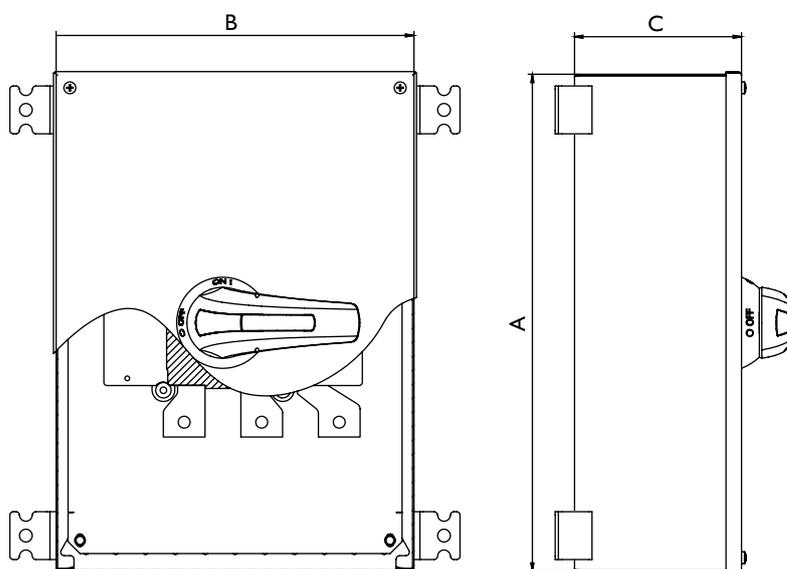
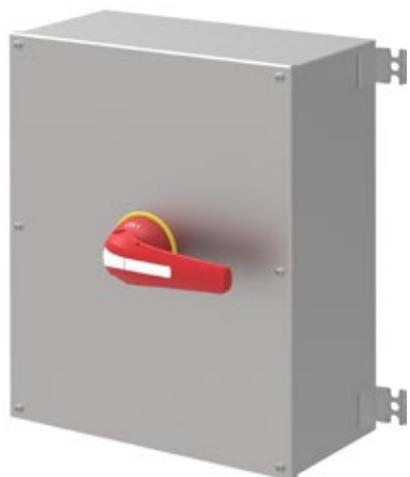


4P

Also available 4P switch - disconnectors under request

iHATHOR SWITCH DISCONNECTOR EMC HI SERIES

PLANS AND REFERENCES



| EMC HI SERIES | DIMENSIONS (mm) | | | | |
|---------------|-----------------|-----------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| H315A3PPM | 400 | 300 | 150 | 315A | 3 |
| H315A4PPM | 400 | 300 | 150 | 315A | 4 |
| H400A3PPM | 500 | 400 | 200 | 400A | 3 |
| H400A4PPM | 500 | 400 | 200 | 400A | 4 |



iHATHOR SWITCH DISCONNECTOR EMC H2 SERIES



Example

**Rated Breaking Current
of Up to 8 Times
the Rated Operational Current**

Switch disconnectors on-load EMC H2 Series, are available from 500A for 800A, versions under request on order. Rated breaking current of up to 8 times the rated operational current, with ability to establish and support short circuit currents up to 100kA; uninterrupted duties in extreme tropic and polar conditions, as well electromagnetic environment.



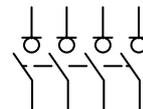
FOR MORE INFORMATION CLICK HERE

TECHNICAL INFORMATION

| iHATHOR SWITCH DISCONNECTORS - EMC H2 SERIES | | | | 500 | 630 | 800 |
|--|------------------|---------------------|-----------|------|------|------|
| ACCORDING TO IEC/EN 60947-3 | | | | | | |
| Rated thermal current in ambient at | I _{th} | 40°C | A | 500 | 630 | 800 |
| Rated thermal current in ambient at | I _{th} | 50°C | A | 500 | 630 | 720 |
| Rated thermal current in ambient at | I _{th} | 60°C | A | 500 | 630 | 640 |
| Rated insulation voltage | U _i | | V | 1000 | 1000 | 1000 |
| Rated impulse withstands voltage | U _{imp} | | kV | 12 | 12 | 12 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC21A A | 500 | 630 | 800 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC22A A | 500 | 630 | 800 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC23A A | 500 | 630 | 800 |
| Rated breaking capacity | | 400V | AC23 A | 4000 | 5000 | 6400 |
| Rated making capacity | | 400V | AC23 A | 5000 | 6300 | 8000 |
| SHORT - CIRCUIT BEHAVIOUR | | | | 500 | 630 | 800 |
| Rated short-circuit making capacity ^{*(2)} | I _{cm} | | kA (beak) | 26 | 26 | 26 |
| Rated short-time withstand current I _s | I _{cw} | | kA rms | 16 | 16 | 16 |
| MECHANICAL FEATURES | | | | 500 | 630 | 800 |
| Number of mechanical operations (according to the standars, for other values please consult) | | | Cycles | 5000 | 5000 | 3000 |
| Maximum weight 3P | | | Kg | 4,2 | 4,2 | 4,2 |
| Maximum weight 3P + N | | | Kg | 4,5 | 4,5 | 4,5 |

*⁽¹⁾ Other voltages and/or utilization categories. Please consult.

*⁽²⁾ Without limiting protective device (short-circuit maintained 50ms. - 100ms.)

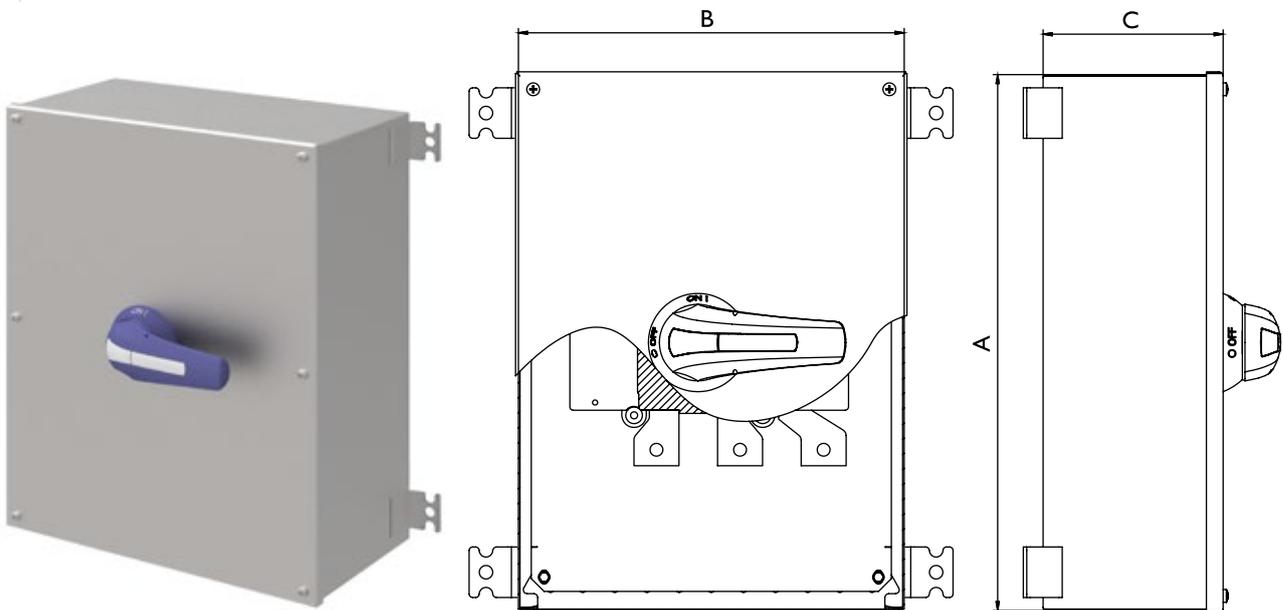


4P

Also available 4P switch - disconnectors under request

iHATHOR SWITCH DISCONNECTOR EMC H2 SERIES

PLANS AND REFERENCES



| EMC H2 SERIES | DIMENSIONS (mm) | | | | |
|---------------|-----------------|-----------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| H500A3PPM | 500 | 400 | 200 | 500A | 3 |
| H500A4PPM | 500 | 400 | 200 | 500A | 4 |
| H630A3PPM | 500 | 400 | 200 | 630A | 3 |
| H630A4PPM | 500 | 400 | 200 | 630A | 4 |
| H800A3PPM | 500 | 400 | 200 | 800A | 3 |
| H800A4PPM | 500 | 400 | 200 | 800A | 4 |



iHATHOR SWITCH DISCONNECTOR EMC H3 SERIES



Example

**Rated Breaking Current
of Up to 8 Times
the Rated Operational Current**

Switch disconnectors on-load EMC H3 Series, are available from 1000A for 1800A, versions under request on order. Rated breaking current of up to 8 times the rated operational current, with ability to establish and support short circuit currents up to 100kA; uninterrupted duties in extreme tropic and polar conditions, as well electromagnetic environment.



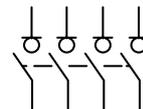
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TECHNICAL INFORMATION

| iHATHOR SWITCH DISCONNECTORS - EMC H3 SERIES | | | | 1000 | 1250 | 1600 | 1800 | |
|---|------------------|---------------------|-----------|------|------|------|------|------|
| ACCORDING TO IEC/EN 60947-3 | | | | | | | | |
| Rated thermal current in ambient at | I _{th} | 40°C | A | 1000 | 1250 | 1600 | 1800 | |
| Rated thermal current in ambient at | I _{th} | 50°C | A | 1000 | 1250 | 1600 | 1800 | |
| Rated thermal current in ambient at | I _{th} | 60°C | A | 1000 | 1250 | 1600 | 1600 | |
| Rated insulation voltage | U _i | | V | 1000 | 1000 | 1000 | 1000 | |
| Rated impulse withstands voltage | U _{imp} | | kV | 12 | 12 | 12 | 12 | |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC21A | A | 1000 | 1250 | 1600 | 1800 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC22A | A | 1000 | 1250 | 1600 | 1800 |
| AC rated operational current ^{*(1)} | I _e | U _e 400V | AC23A | A | - | - | 1600 | 1800 |
| AC rated operational current ^{*(1)} | I _e | U _e 800V | AC21B | A | - | - | - | 1250 |
| Rated breaking capacity | | 400V | AC23 | A | 3000 | 3750 | 4800 | 5400 |
| Rated making capacity | | 400V | AC23 | A | 3000 | 3750 | 4800 | 5400 |
| SHORT - CIRCUIT BEHAVIOUR | | | | | | | | |
| Rated short-circuit making capacity ^{*(2)} | I _{cm} | | kA (peak) | 60 | 60 | 75 | 75 | |
| Rated short-time withstand current 1s. | I _{cw} | | kA rms | 25 | 25 | 50 | 50 | |
| MECHANICAL FEATURES | | | | | | | | |
| Number of mechanical operations (according to the standards, for other values please consult) | | | Cycles | 3000 | 3000 | 3000 | 3000 | |
| Maximum weight 3P | | | Kg | 18,5 | 18,5 | 18,5 | 18,5 | |
| Maximum weight 3P + N | | | Kg | 20,8 | 20,8 | 20,8 | 20,8 | |

*⁽¹⁾ Other voltages and/or utilization categories. Please consult.

*⁽²⁾ Without limiting protective device (short-circuit maintained 50ms. - 100ms.)

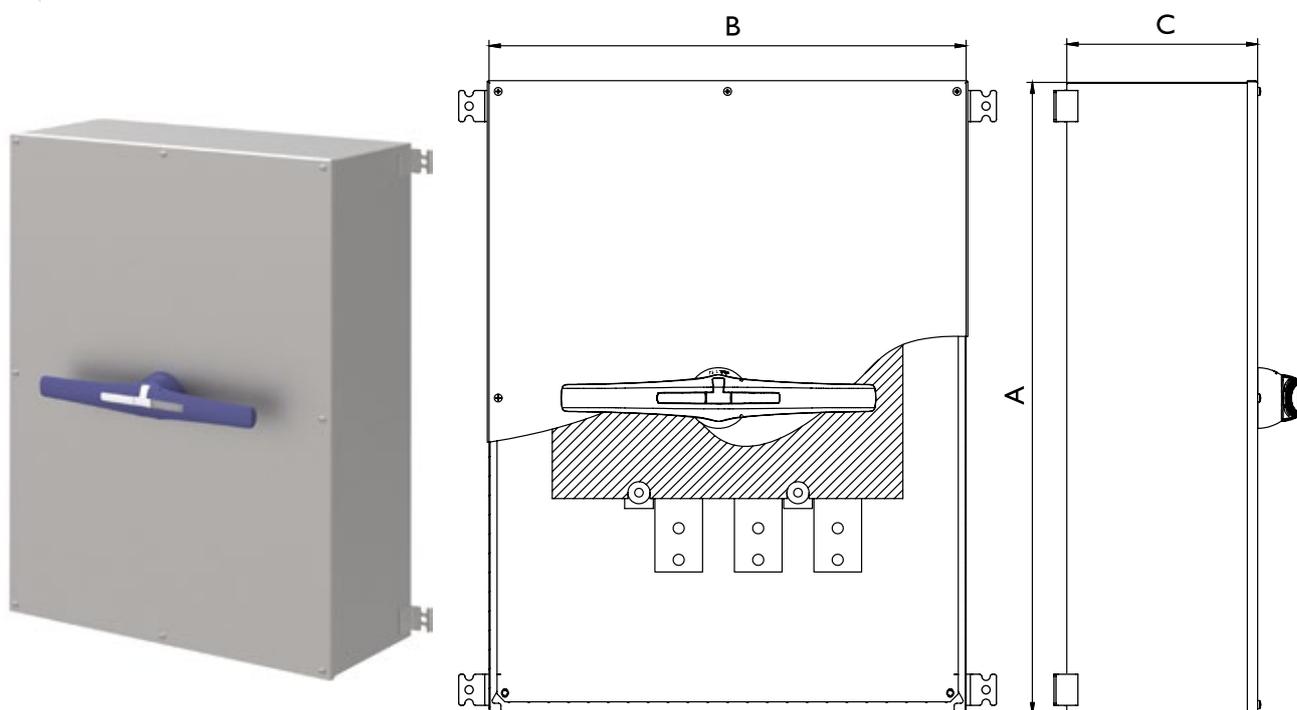


4P

Also available 4P switch - disconnectors under request

iHATHOR SWITCH DISCONNECTOR EMC H3 SERIES

PLANS AND REFERENCES

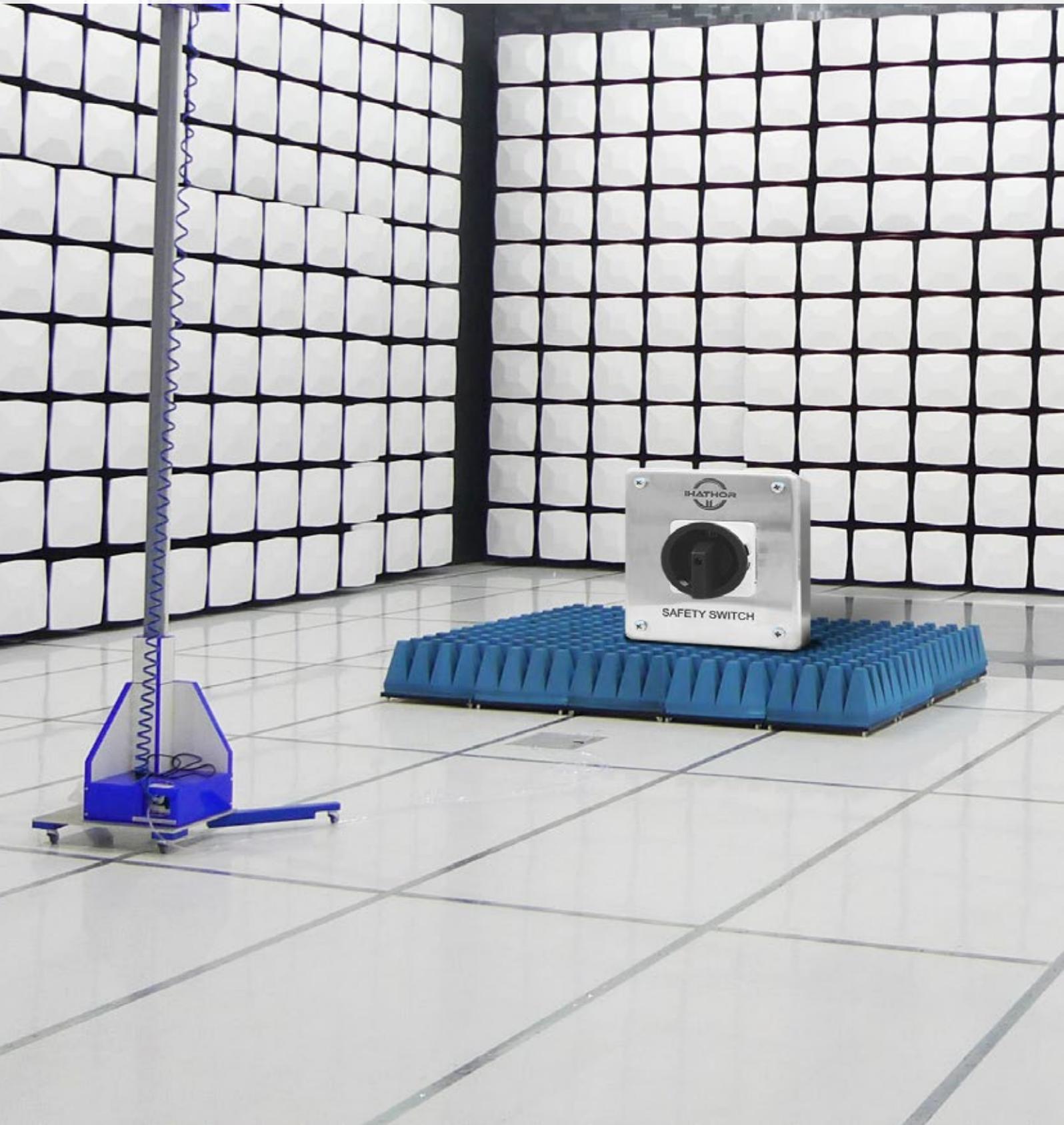


| EMC H3 SERIES | | DIMENSIONS (mm) | | | |
|---------------|------------|-----------------|-----------|---------|----------|
| REFERENCES | HEIGHT (A) | WIDTH (B) | DEPTH (C) | CURRENT | N° POLES |
| HI1000A3PPM | 600 | 500 | 200 | 1000A | 3 |
| HI1000A4PPM | 600 | 500 | 200 | 1000A | 4 |
| HI1250A3PPM | 600 | 500 | 200 | 1250A | 3 |
| HI1250A4PPM | 600 | 500 | 200 | 1250A | 4 |
| HI1600A3PPM | 800 | 600 | 250 | 1600A | 3 |
| HI1600A4PPM | 800 | 600 | 250 | 1600A | 4 |
| HI1800A3PPM | 800 | 600 | 250 | 1800A | 3 |
| HI1800A4PPM | 800 | 600 | 250 | 1800A | 4 |





We EMC safety and isolation switches is adapted in the Electromagnetic Compatibility (EMC) and certificate by directive 2014/30/UE



CUSTOMIZED SWITCHES SOLUTIONS iHATHOR

The customized manufacture of all safety and isolation switches iHATHOR is carry out with the most advanced technical methods and with the precision and consciousness of a craftsman. Therefore, it is not an accident that our company has been present in the market for many years: it is the result of hard work and effort by many people.

In iHATHOR we bear in mind that customers perceive the quality very clearly safety and useful solutions are what customers value most. Nowadays we have license to use the most exigents certifications. Our flexible manufacturing environment greatly reduces the costs associated with changeovers and small production lots.



ATEX SAFETY SWITCHES



UL 98 AND UL 508
SAFETY SWITCHES



SLOPED ROOF HYGIENIC
SWITCHES



IECEX SAFETY SWITCHES

CORROSION RESISTANT SWITCHES



EMC SWITCHES DISCONNECTORS

WEATHERPROOF AND DUST-TIGHT SWITCHES

Buy direct from manufacturer of custom made IP66 heavy duty industrial and waterproof switches AISI 304L and 316L made by standard IEC 60529. iHATHOR has tested all sizes and dimensions of waterproof enclosures according to EN 60529:2018. All weather resistant enclosures are more than simply rainproof, they meet a minimum of Nema 4X and IP66 requirements to ensure your electronics are protected. From safety switches to disconnectors, iHATHOR weatherproof enclosures offer a wide range of sizes and styles to keep your project waterproof.



CABLE GLANDS FOR ATEX AREAS



CABLE GLANDS FOR SAFE AREAS





HEAVY DUTY SAFETY SWITCHES



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Contact us, we will be available at any time