

DC IT Room Quartzite 9.0

Basic protection for your data center

- Modular room-in-room system consisting of wall, ceiling and floor elements
- Structural IT protection according to BITKOM RZ category A
- Basic protection for IT against the main physical hazards (fire, burglary, water, dust, EMC electromagnetic compatibility...)
- System-tested fire protection EI 90 based on EN 1363.
- Service-friendly & innovative cable and pipe bulkhead system

Modular room-in-room system with basic protection against the main

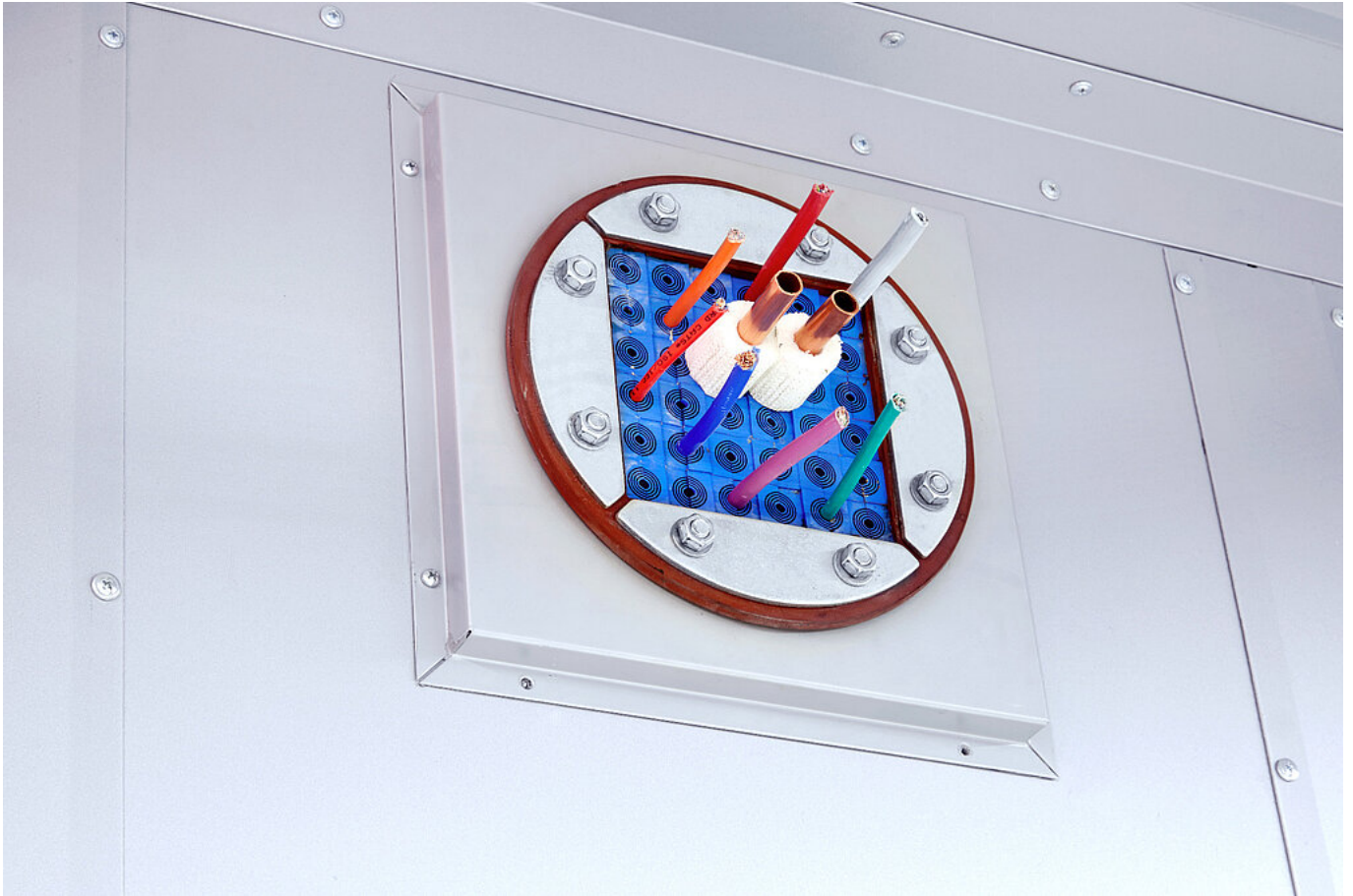
physical hazards

The DC IT Room Quartzite 9.0 is a perfect modular room-in-room solution with basic protection against the main physical hazards. The installation is simple and completely modular and the solution is adapted to dimensions of the room and customer specifications.

The solution is used for the protection of the IT room and optionally protection of the technical room or also as a separation between IT room and technical room.

Detail photos DC IT Room Quartzite 9.0













Basic protection against physical hazards

Fire protection

Burglary protection

Explosion protection

Water and dust protection

Protection from debris load

Protection against vandalism

Protection from radiation

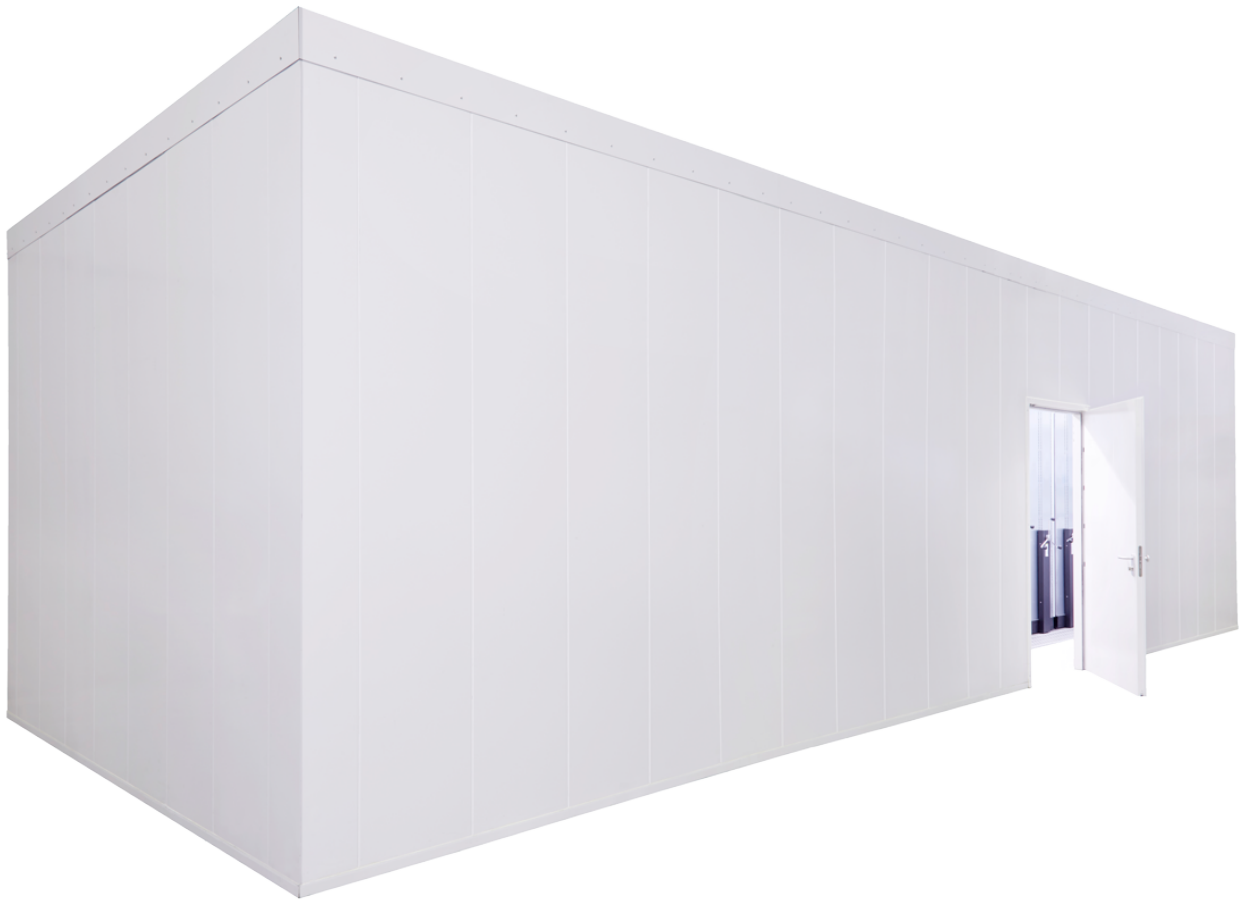
Noise protection

Protection against corrosive gases

Modular design: can be disassembled, reassembled and extended

The flexible, modular room system is expandable from 2 m² up to a large-scale data center. The system adapts modularly to the respective conditions. Use existing, normal buildings and simply build a secure data center inside. You save on new construction and have high investment security. The rooms can be converted, dismantled or relocated at any time.

The sandwich panels with steel sheet box construction have a heat-insulating and non-combustible core. The panel thickness for walls and ceiling is approx. 100 mm.



Features






















- Cable bulkhead system
- Fire dampers
- Door system
- Panic shutter
- Bulkhead systems
- Switch cabinet and installation material




- Safety door system
- More features




Test certificates




- EI90 system test according to EN 1363
- Burglary protection WK 2 in accordance with EN 1627-1630, door optionally in WK 3
- Dust protection IP 5x according to EN 60529
- Protection against standing water (72 hours, 40 cm, maximum 20 drops).
- Extinguishing water protection IP x6 according to EN 60529
- EMC protection (electromagnetic compatibility)

Tests, valences and certifications




	Granite	Quartzite 9.3	Quartzite 9.0
CERTIFICATION (fire protection)			
ECB-S certification according to EN 1047-2:2009+A:2013	â 	â 	â 
External quality control in production	â 	â 	â 
External quality control on the construction site	â 	â 	â 
FIRE PROTECTION			
Type-tested according to EN 1047-2, 60 minutes flame treatment plus cooling curve up to 24 hours	â 	â 	â 
System test with compliance with limit values (50 K, 85 % humidity) according to EN 1047-2 over 30 minutes	â 	â 	â 
General test certificate of the building authorities F90	â 	â 	â 
System test EI 90 according to EN 13501-2/EN 1363-1 from outside to inside	â 	â 	â 
System test EI 90 according to EN 13501-2/EN 1363-1 from inside to outside	Optional	Optional	Optional

Component testing (wall/ceiling) EI 180 according to EN 13501-2/EN 1363-1 from outside to inside   




Component test (wall/ceiling) EI 120 according to EN 13501-2/EN 1363-1 from outside to inside   

Component test (wall/ceiling) EI 120 according to EN 13501-2/EN 1363-1 from inside to outside   




BURGLARY PROTECTION

Certified burglar resistance RC 3 according to EN 1627/1628/1629/1630   




System test burglar resistance RC 3 according to EN 1627/1630  Optional Optional

System test burglar resistance RC 2 according to EN 1627/1630   




EXPLOSION PROTECTION

System test explosion resistance EXR 3 according to EN 13123-2/EN 13124-2   

FLUE GAS TIGHTNESS

System test flue gas tightness according to EN 1634-3   




DUST AND WATERPROOF

System test Dust and water tightness IP 56 according to EN 60529   




500 mm water column over 72 hours   




400 mm water column over 72 hours   

SHIELD INSULATION (EMC protection)

Shielding effectiveness test according to 50147-1   

RESISTANCE TO DEBRIS LOADS

Impact test according to EN 1047-2 (impact energy approx. 3,000 Nm)   

Three ball impact according to DIN 4102-2   

Further proofs on request.

What can we do for you?

Together we will find the right products and services for your individual needs. To learn more, please feel free to contact us personally. To do so, use our contact form or simply give us a call. We look forward to hearing from you!

You can find more information here:

<https://datacenter-group.com/en/products/dc-it-room/dc-it-room-quartzite-90/>