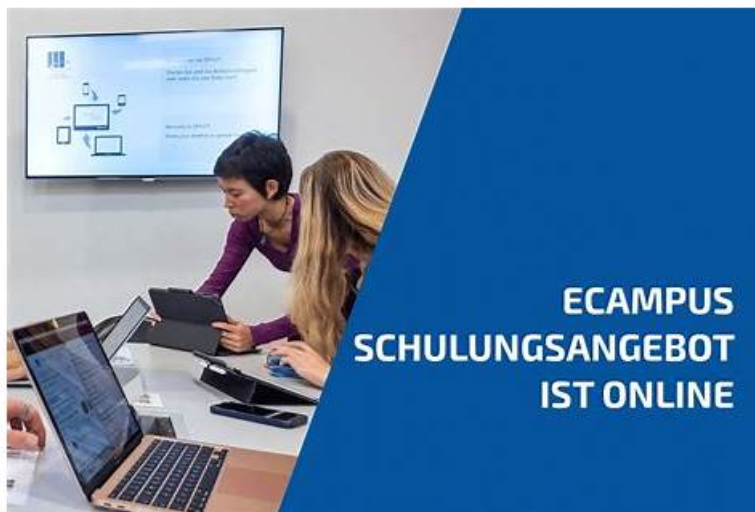


# CDCS Schulungsangebot & CDCS Fragen Antworten



P.S. Kostenlose 2026 EXIN CDCS Prüfungsfragen sind auf Google Drive freigegeben von ZertPruefung verfügbar:  
<https://drive.google.com/open?id=1oXmHuwvQHcxXLEuMpG5hrXILBsZCoCBm>

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## EXIN CDCS Prüfungsplan:

Thema	Einzelheiten
Thema 1	<ul style="list-style-type: none"> <li>• <b>Designing and Implementing a Data Centre:</b> In this module, the exam assesses the knowledge of Exin data center professionals tasked with the design and implementation of data centers. Candidates will learn the key principles of creating an efficient data center layout, including considerations for scalability, redundancy, and security.</li> </ul>
Thema 2	<ul style="list-style-type: none"> <li>• <b>Data Centre Life Cycle and Standards:</b> This section of the exam measures the skills of data center professionals and covers the various stages involved in the life cycle of a data center, from planning and design to implementation and decommissioning.</li> </ul>
Thema 3	<ul style="list-style-type: none"> <li>• <b>Data Centre Environmental Considerations and Efficiency:</b> This section evaluates the proficiency of data center professionals in addressing environmental factors and promoting efficiency within data center operations. The target audience, including data center managers and engineers, will be tested on their ability to identify and implement measures that enhance energy efficiency, cooling management, and sustainable practices.</li> </ul>

>> CDCS Schulungsangebot <<

## CDCS PrüfungGuide, EXIN CDCS Zertifikat - EXIN EPI Certified Data Centre Specialist

ZertPruefung stehen Ihnen eine Abkürzung zum Erfolg zur Verfügung. Dabei erspart ZertPruefung Ihnen viel Zeit und Energie.

ZertPruefung wird Ihnen gute Fragenpool zur EXIN CDCS Zertifizierungsprüfung bieten und Ihnen helfen , die EXIN CDCS Zertifizierungsprüfung zu bestehen. Wenn Sie auch die relevante Materialien auf anderen Websites sehen, schauen Sie mal weiterhin, dann werden Sie finden, dass diese Materialien eigentlich aus ZertPruefung stammen. Unsere ZertPruefung bieten die umfassendste Information und aktualisieren am schnellsten.

## EXIN EPI Certified Data Centre Specialist CDCS Prüfungsfragen mit Lösungen (Q100-Q105):

### 100. Frage

You need to install a highly sensitive fire detection system. The data center has a high airflow rate. Which system should you recommend?

- A. Ionization smoke detector
- **B. VIEW (Very Early Warning) smoke detector**
- C. Photoelectric smoke detector
- D. Dry pipe sprinkler system

**Antwort: B**

Begründung:

Data centers typically have high airflow environments due to CRAC/CRAH units, containment, and raised floors. Standard smoke detectors (ionization or photoelectric) often fail to detect incipient smoke because the air movement disperses particles.

The correct solution is VESDA/VIEW (Very Early Warning) smoke detection systems, which use aspirating smoke detectors (ASD). These systems continuously sample air through pipes and can detect smoke particles at concentrations as low as 0.001% obscuration/m. This provides early detection well before fire growth, allowing mitigation without system shutdown.

\* Dry pipe sprinklers (A) are suppression, not detection.

\* Ionization detectors (B) are sensitive to flaming fires but unreliable in high-airflow environments.

\* Photoelectric detectors (C) are better for smoldering fires but still inadequate in high airflow compared to ASD systems.

References: NFPA 75 §5.4.3, NFPA 76 (Telecom facilities - aspirating systems), ISO 7240-20 (Aspirating Smoke Detectors).

### 101. Frage

You are allowed to use a calculator for this question. A battery bank is rated at a total capacity of 600 Ah. Calculate how much charging current the rectifier should be able to supply as charging current.

- A. 60 Amperes
- B. 80 Amperes
- C. 12 Amperes
- **D. 30 Amperes**

**Antwort: D**

Begründung:

To determine the charging current for a battery bank, a general rule of thumb is that the charging current should be 5% of the total battery capacity. For a battery rated at 600 Ah, this calculation would be:

$600 \text{ Ah} \times 0.05 = 30 \text{ Amperes}$   
 $600 \text{ Ah} \times 0.05 = 30 \text{ Amperes}$  This ensures the battery is charged efficiently without overloading the rectifier or risking battery damage.

Detailed Explanation:

Battery charging current is typically set as a percentage of the battery's capacity to balance effective charging with longevity and safety. A 5% charging rate is standard for lead-acid batteries, which would be 30 Amperes for a 600 Ah battery bank.

EPI Data Center Specialist References:

EPI standards recommend calculating charging currents based on a percentage of the battery capacity to ensure safety and efficiency, aligning with best practices for battery management in data centers.

### 102. Frage

The noise levels in the data center are approximately 91 dB (A). Do employers need to take precautions?

- A. No, anything less than 100 dB (A) is acceptable.

- **B. Yes, since it is mandated by regulations.**
- C. There are no regulations regarding noise levels inside a building. Regulations only apply to noise pollution outside of the building.
- D. As long as the data is compliant to ISO/IEC 27001 it is acceptable.

**Antwort: B**

Begründung:

In a data center with noise levels of 91 dB (A), employers are indeed required to take precautions to protect personnel, as this level exceeds commonly accepted safety thresholds for occupational noise exposure.

Regulations, such as those from the Occupational Safety and Health Administration (OSHA) or similar agencies, mandate specific controls and protections for environments with high noise levels.

Detailed Explanation:

Noise levels above 85 dB (A) typically trigger requirements for hearing conservation programs. At 91 dB (A), steps like providing ear protection, conducting regular noise assessments, and possibly implementing engineering controls to reduce noise should be taken. Extended exposure to such levels can lead to hearing loss, so regulatory compliance ensures both immediate and long-term protection for personnel.

EPI Data Center Specialist References:

EPI guidelines for data center safety address noise exposure as part of the environmental safety measures. EPI recommends adhering to local occupational health regulations, as excessive noise can harm personnel and affect operational efficiency due to potential health hazards.

### 103. Frage

What is the advantage or disadvantage of using MPO (Multi-fiber Push On)/pre-terminated fiber?

- A. There is no advantage, as it creates additional heat load in the data center.
- B. There is no advantage, as it cannot be used with OM4 optical fiber cables.
- **C. It speeds up installation and provides an easy upgrade to transmission speeds up to 40 Gbit/s - 100 Gbit/s.**
- D. It is a very flexible system as it can be used for both copper cables and optical fiber cables.

**Antwort: C**

Begründung:

MPO (Multi-fiber Push On) pre-terminated fiber offers the advantage of quick installation and supports high-speed upgrades up to 40 Gbit/s and 100 Gbit/s. This technology simplifies connections by allowing multiple fibers to be connected in a single plug-and-play module, reducing installation time and making future expansions or upgrades to higher speeds easier.

Detailed Explanation:

MPO connectors consolidate multiple fiber connections into a single interface, which simplifies cable management and reduces installation complexity. This setup is particularly beneficial in data centers where high-speed networks are essential, and where rapid deployment is necessary. MPO pre-terminated fiber also supports the use of OM4 fiber, making it compatible with existing high-performance cabling infrastructure.

EPI Data Center Specialist References:

EPI training highlights that pre-terminated fiber solutions, like MPO, can greatly enhance efficiency in data centers. By reducing installation time and providing scalability for higher transmission speeds, they align with best practices for maintaining flexible and future-ready network infrastructure.

### 104. Frage

You need to determine the strategy for the cooling audit. All the servers are based on a front-to-rear (F-R) airflow design. Which location for the temperature/humidity measurement should you recommend for the audit?

- **A. At the front/intake of the server at 50 mm/2 inch**
- B. At 1.5 meters/5 feet above the floor in the middle of the hot aisle
- C. At 1.5 meters/5 feet above the floor in the middle of the cold aisle
- D. At the back/rear of the server at 50 mm/2 inch

**Antwort: A**

Begründung:

For a cooling audit in a data center, it is essential to measure temperature and humidity where air enters the servers to accurately



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