

# ETC70H

## Plug in/ external power supply



Abbildung ähnlich / device similar to figure

- Wide range input
- Extensive Protection  
(e.g. short circuit / no-load / overvoltage protected)
- CEC and Energy Star Level VI compliant
- EN61000-6-1 and EN61000-6-3 compliant
- Safety class I
- Isolation voltage 4 kV
- High efficiency

Option: mains cables for Europe, Great Britain and USA

On request: Special configuration for output cable/plug



**RoHS**

| Type      | Input voltage | Output voltage | Max. output current | Cat. No. |
|-----------|---------------|----------------|---------------------|----------|
| ETC70H-12 | 100-240VAC    | 12VDC          | 5,8A                | 116366   |
| ETC70H-15 | 100-240VAC    | 15VDC          | 4,6A                | 116367   |
| ETC70H-18 | 100-240VAC    | 18VDC          | 3,9A                | 116368   |
| ETC70H-24 | 100-240VAC    | 24VDC          | 3,0A                | 116369   |

**Plug in/ external power supply**

**ETC70H**

## 1. Input

|                     |              |                       |
|---------------------|--------------|-----------------------|
| Input voltage range | 100-240VAC   | 90-264VAC (tolerance) |
| Input frequency     | 50-60Hz      | -                     |
| Max. input current  | 1,5A         | -                     |
| No load power       | < 150mW      | -                     |
| Hold up time        | 8 ms @115VAC | -                     |
| input inlet         | C14          | acc. to IEC 60320     |

## 2. Output

|                                |                                                                                 |                     |
|--------------------------------|---------------------------------------------------------------------------------|---------------------|
| Output voltage                 | -                                                                               | see table on page 1 |
| Max. continuous output current | -                                                                               | see table on page 1 |
| output power                   | 70W                                                                             | -                   |
| Length output cable            | ETC70H-12: 720mm<br>ETC70H-15: 1220mm<br>ETC70H-18: 1800mm<br>ETC70H-24: 1800mm | -                   |
| Output connector               | DC plug angled                                                                  | 2,1 x 5,5 x 12mm    |
| Short circuit protection       | continuous                                                                      | -                   |

## 3. Regulation accuracy

|                                 |                  |   |
|---------------------------------|------------------|---|
| Tolerance                       | ± 2% over all    | - |
| Load regulation static (10-90%) | ± 2-5 %          | - |
| Line regulation                 | ± 1 %            | - |
| Ripple & noise                  | 1 % peak to peak | - |

## Plug in/ external power supply

## ETC70H

## 4. EMC (Electromagnetic Compatibility)

|                            |                 |   |
|----------------------------|-----------------|---|
| Radio disturbance          | EN55022 class B | - |
| Harmonic current emissions | EN61000-3-2     | - |
| Emission                   | EN61000-6-3     | - |
| Immunity                   | EN61000-6-1     | - |

## 5. Enviroment

|                       |                 |                                                                                                 |
|-----------------------|-----------------|-------------------------------------------------------------------------------------------------|
| Operating temperature | -20°C ... +40°C | 40°C ... 70°C: Derating with $2,5 \frac{\%}{^{\circ}\text{C}}$<br>see characteristics on page 4 |
| Storage temperature   | -20°C ... +85°C | -                                                                                               |
| Cooling               |                 | natural convection                                                                              |
| Humidity              | < 93%           | no condensation permissible                                                                     |

## 6. General

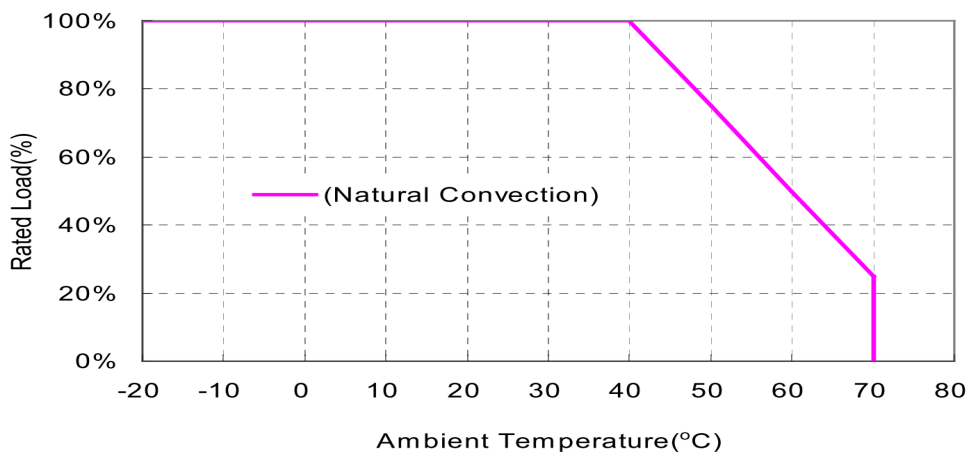
|                        |                    |                       |
|------------------------|--------------------|-----------------------|
| Electrical safety      | EN 60950, UL 60950 | -                     |
| Protection class       | class I            | with PE connection    |
| Isolation voltage      | 4kVDC              | input / output        |
| Efficiency             | Typ. 89%           | -                     |
| Dimensions (W x L x H) | 52 x 120 x 31mm    | see drawing on page 4 |
| Weight                 | approx. 300g       | -                     |

## Plug in/ external power supply

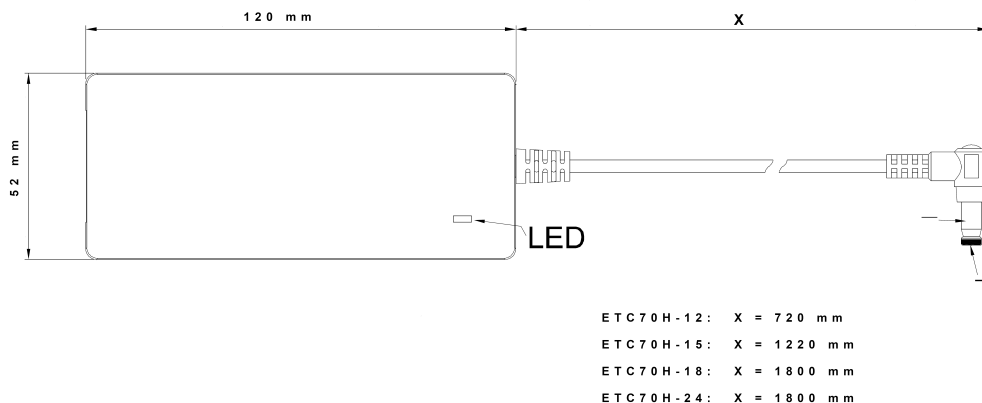
## ETC70H

## 7. Characteristics

All shown characteristics were measured at 25°C ambient temperature and a input frequency of 50 Hz.



## 8. Dimensions



IEC320/C14



## Plug in/ external power supply

## ETC70H

## 9. accessories

mains cables acc. to IEC 60320-C13; 3-pole

|                      |      |                 |
|----------------------|------|-----------------|
| <b>Europe</b>        | 1,8m | Cat. No. 140503 |
|                      | 3,0m | Cat. No. 140502 |
| <b>Great Britain</b> | 2,5m | Cat. No. 140517 |
| <b>USA</b>           | 3,0m | Cat. No. 140519 |
| <b>Australia</b>     | 2,5m | Cat. No. 140515 |

## Important (safety-) notes

Generally it is recommended to use by Deutronic released equipment, only. Because only in this way an appropriate technical suitability and an adequate dimensioning can be ensured for professional use. Equipment and accessories have to be selected and installed in accordance with the requirements and under attention of the existing safety guidelines.

**Note:** Mains cables / charging cables must be used in completely unrolled condition only, to ensure a sufficient cooling! Moreover pay attention of a safety interlocksystem at the respective device to ensure the operational safety and to avoid damages. If worn, the cables must be replaced immediately!

## Plug in/ external power supply

## ETC70H

Alle Daten gemessen bei 230V/50Hz, 5,8A / 4,6A / 3,0A und 25°C Umgebungstemperatur, wenn nicht anders gekennzeichnet. | All parameters are specified at 230V/50Hz, 5,8A / 4,6A / 3,0A and 25°C ambient, if not marked otherwise.  
Technische Änderungen und Irrtümer vorbehalten. | Technical modifications and mistakes reserved.

Mit den Angaben im Katalog und in den Datenblättern werden Produkte beschrieben, nicht Eigenschaften zugesichert. Belastung mit „Grenzwerten“ (einfache Kombination) ist zulässig ohne bleibende Schäden der Produkte. Betrieb der Geräte mit Grenzwertbelastung für längere Zeit kann die Zuverlässigkeit beeinträchtigen. Grenzwerttoleranzen unterliegen üblichen Schwankungen. | Products are described by information contained in catalogs and data-sheets. It is not be considered as assured qualities. Stresses listed under „Maximum Rating“ (one at a time) may be applied to devices without resulting in permanent damage. The operation of the equipment for extended periods may affect device reliability. Limiting value tolerance are subject to usual fluctuation margins.