

# UM-PRO PROFILE - Profile



2200148

<https://www.phoenixcontact.com/us/products/2200148>

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Press-drawn section housings, Latching with side elements, latching with foot element, Basic profile, profile length (configurable): 3 cm ... 200 cm, depth: 19.8 mm, Note: required profile length = PCB length - 16.2 mm



## Your advantages

- Tailor-made housing length, can be cut to length with millimeter precision
- Easy integration of large electronics components, thanks to the open design
- Heat-resistant UM-PRO made from polyamide with UL approval up to 100°C
- Easy device mounting thanks to snap-mount principle (the sides are fixed without the aid of tools)
- High degree of flexibility, thanks to freely positionable covering hoods

## Commercial data

Item number	2200148
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AC17
Product key	ACHDAA
Customs tariff number	39169010
Country of origin	DE

## Technical data

### Notes

Assembly note	Please observe the application note in the download area.
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### Product properties

Product type	Lower housing part
Housing type	Press-drawn section housings
Housing type	Extruded profile housings
Housing series	UM-PRO
Product family	UM-PRO
Ventilation openings present	no

### Dimensions

Depth	19.8 mm
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### PCB design

PCB thickness	1.4 mm ... 1.8 mm
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### Material specifications

Color (Profile)	light gray (RAL 7035)
Material Profile	PA
Flammability rating according to UL 94	V0
CTI according to IEC 60112	600

### Environmental and real-life conditions

#### Glow-wire test

Specification	IEC 60695-2-11:2014-02
Temperature	850 °C
Time of exposure	30 s

#### Thermal stability / ball thrust test

Specification	IEC 60695-10-2:2014-02
Temperature	125 °C
Test duration	1 h
Force	20 N

#### Mechanical strength / tumbling barrel

Specification	IEC 60068-2-31:2008-05
Height of fall	50 cm
Frequency	50

#### Degree of protection (IP code)

Specification	IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08
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## Ambient conditions

Max. IP code to attain	IP20
Ambient temperature (operation)	-40 °C ... 105 °C (depending on power dissipation)
Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Relative humidity (storage/transport)	80 %

## PCB data

Number of PCB holders	3
Type of PCB mount	Insertion/securing with additional elements
PCB surface	700 mm <sup>2</sup> ... 1200 mm <sup>2</sup> (per cm profile length)
Thickness of the PCB	1.4 mm ... 1.8 mm

## Mounting

Mounting type	Latching with side elements, latching with foot element
Mounting position	parallel to the DIN rail

## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Carton

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2200148>



**UL Recognized**

Approval ID: E240868

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## Classifications

### ECLASS

ECLASS-13.0	27190601
ECLASS-15.0	27190601

### ETIM

ETIM 10.0	EC002779
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### UNSPSC

UNSPSC 21.0	31261500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)