#01 POLYRACK TECH-GROUP
FOR PLUG-IN MODULES

// Product information

POLY RACK
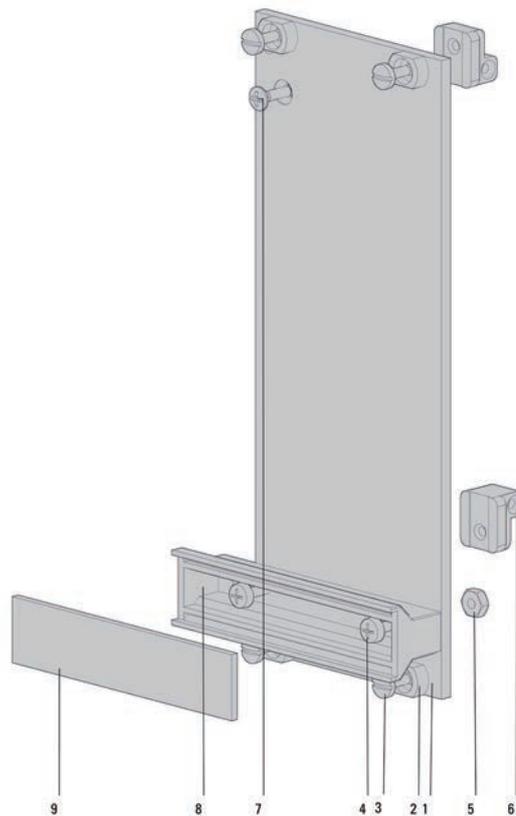TECH-GROUP

Product information

Front panels for plug-in-modules standardly accommodate single or double Eurocards. There are various handle and shielding options available.

Configuration example

The diagram shows the typical configuration of a front panel for plug-in-modules with assembly hardware and handle

1 Front panel
2 Metal sleeve*
3 Collar screw*
4 Cylinder head screw*
5 Hexagon nut*
6 Board holder*
7 Countersunk head screw*
8 Handle*
9 Identification plate*

Parts marked with * are not included in the scope of delivery of the basic unit, i.e. must be ordered separately.

// Notes on standards, units of measurement and mounting/ overall dimensions

Inner and outer dimensions
– IEC 60297-3-101
– IEC 60297-3-102
– IEC 60297-3-103

Unit of height U
Measurement unit for height in 19" rack systems
1 U = 44.45 mm

Increment unit HP
Measurement unit for width in 19" rack systems
1 HP = 5.08 mm

Dimensions specified in ordering tables
The dimensions, in particular those given in U and HP, are specified in relation to the application:

Height H = (n (U) x 44.45 mm) - 4.8 mm

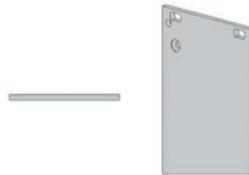Usable width W = (n (HP) x 0.3 mm)

// Basic units

Basic units

Front panels for plug-in-modules are suitable for all products with 19" mounting dimensions. They differ with respect to their shielding concept.
There are 3 basic versions available.

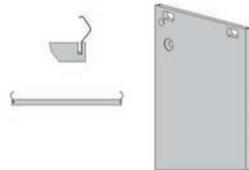## Features of the basic units

Standard
Without shielding

Future
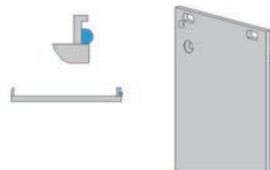„EMC spring" shielding concept
Front panels with groove on left and right to accept EMC spring.

U extrusion
„EMC fabric" shielding concept
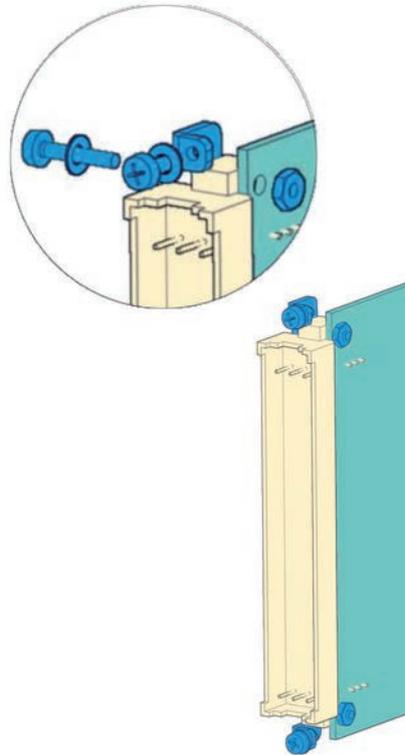Front panels with contact edge left and shielding edge right to affix EMC shielding fabric D

Mounting bracket for male connector

Male connector mounting brackets are used to secure female connectors to the PCBs.
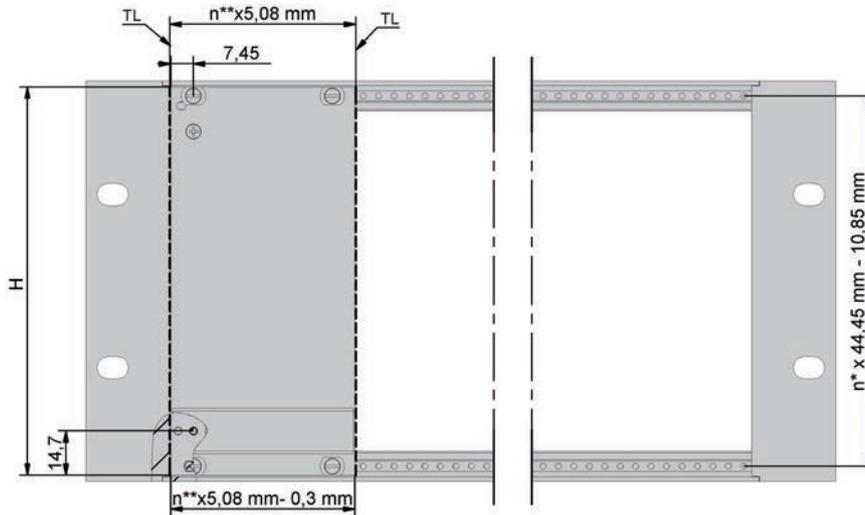

Mounting bracket for male connector

Material
Sheet steel 1.4016

// Dimensions

Mounting dimensions (mm)

	H
3 U	= 128.5
4 U	= 173.0
6 U	= 261.9

* (U)
** (HP)
TL (partition line)

Dimensions for plug-in modules (mm)

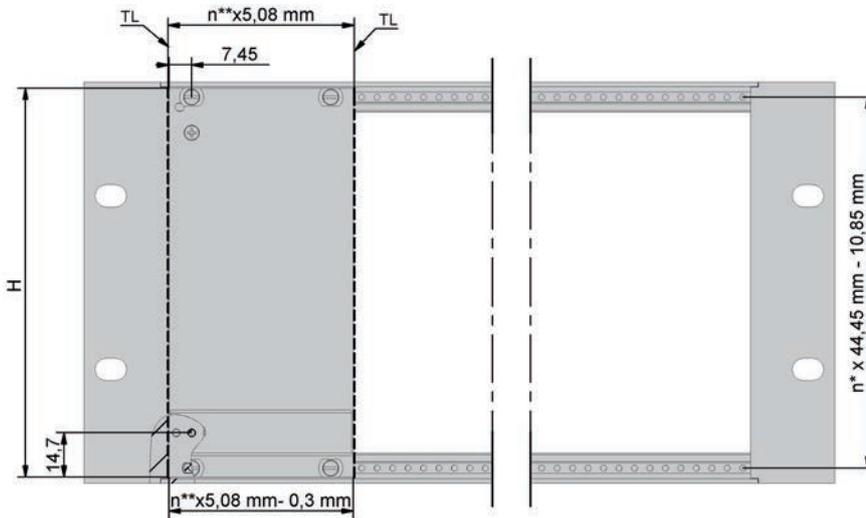| D1*	D2 ± 0.4**	D3 ± 0.4***	D4 ± 0.4****
80.00	89.93	91.93	91.74
100.00	109.93	111.93	111.74
160.00	169.93	171.93	171.74
220.00	229.93	231.93	231.74
280.00	289.93	291.93	291.74

* PCB depth
** Insertion depth for IEC 60603-2 connectors,
styles B, C, D and IEC 61076-4-113
*** Insertion depth for IEC 60603-2 connectors,
styles F, G, H
**** Insertion depth for IEC 61076-4-101
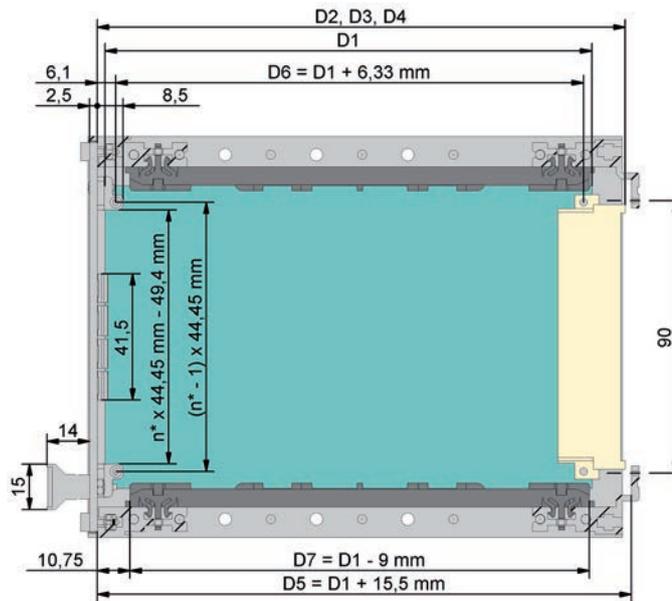connectors

D = overall depth
D5 = mounting depth in 19" rack

// Product information

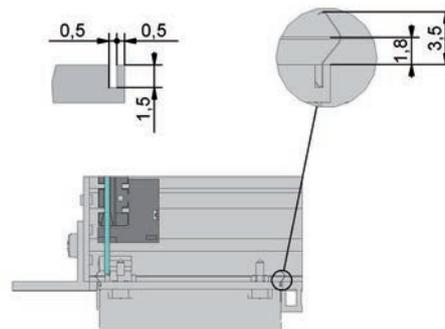Front view, Future

W2 = up to a width of 9 HP there are
only two mounting holes in the front panel

Side view, Future

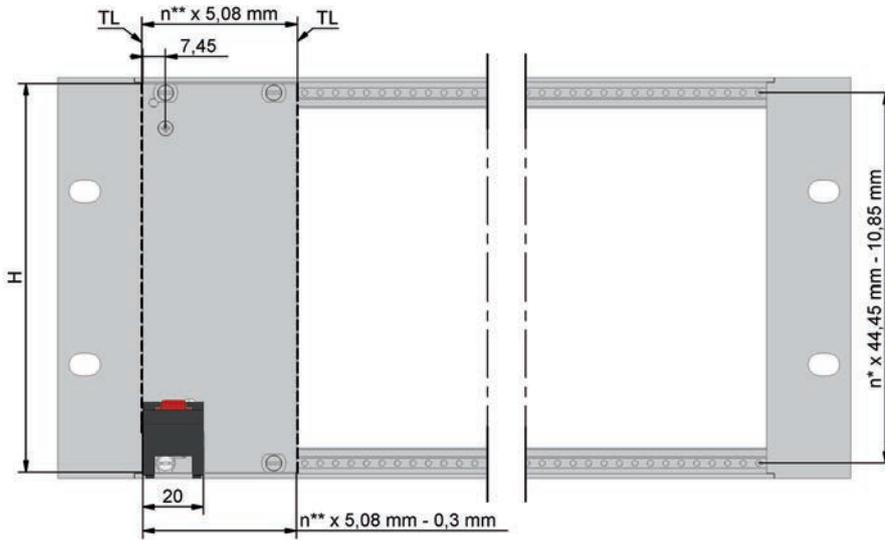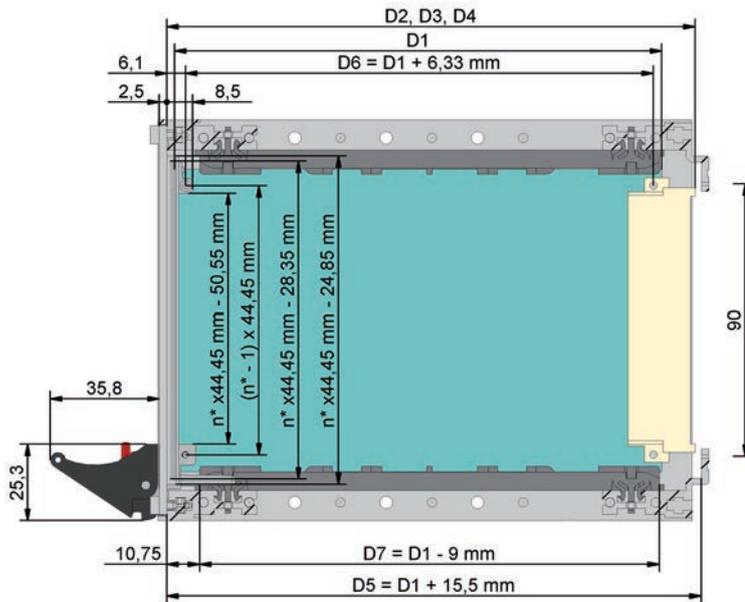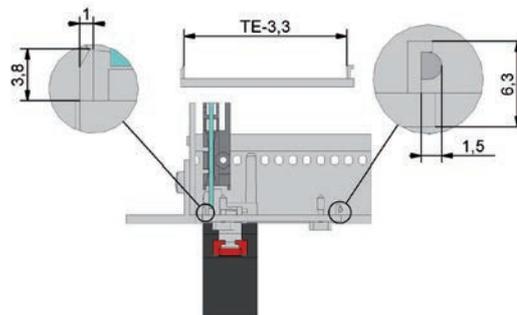Top view, Future
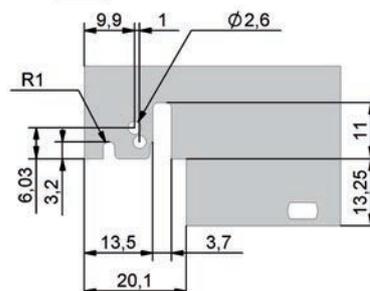
// Product information

Front view, U extrusion

Side view, U extrusion

Top view, U extrusion

Detail view of cutout dimensions for extractor handle

TL   n** x 5,08 mm   TL
7,45
H
n* x 44,45 mm - 10,85 mm
20
n** x 5,08 mm - 0,3 mm

D2, D3, D4
D1
D6 = D1 + 6,33 mm
6,1
2,5   8,5
90
n* x44,45 mm - 50,55 mm
(n* - 1) x 44,45 mm
n* x44,45 mm - 28,35 mm
n* x44,45 mm - 24,85 mm
35,8
25,3
10,75
D7 = D1 - 9 mm
D5 = D1 + 15,5 mm

1
3,8
TE-3,3
6,3
1,5

9,9   1   Ø2,6
R1
11
6,03   3,2
13,25
13,5   3,7
20,1