

**Innovation:**

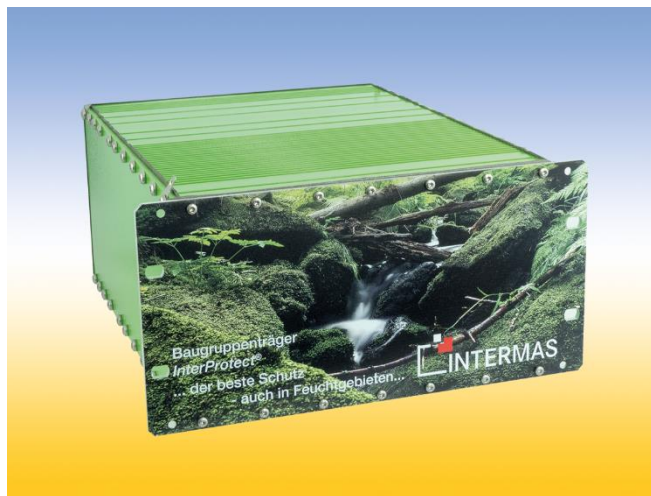
**Waterproofed Subrack *InterProtect*<sup>®</sup> in accordance to DIN 41494.**

For more than 45 years, 19 inch assembly systems in accordance to DIN 41494/IEC 60297 have been proven in various electronic applications. Thus far, applications were limited and constrained when requirements against entry of water and dust required a higher protection class.

It was the Intermas-engineers who set the leading standards of the DIN 41494/IEC 60297. Today the specialists of Intermas have developed again a pioneering enhancement of the 19 inch system.

With the subrack *InterProtect*<sup>®</sup>, Intermas-Elcom launches a new subrack which is entirely in accordance to the 19 inch standards and offers maximum protection while using standard accessories. The product will be introduced to the public at [electronica 2016](#) in Munich from November 8<sup>th</sup> to 11<sup>rd</sup>, 2016.

The ingenious and unique construction and sealing concept allows protection up to class IP 66 strictly complying to all 19 inch system dimensions. Therefore, the *InterProtect*<sup>®</sup> is well suited for use in tropical regions where humidity up to 100% can occur. Also sandstorms in deserts will not harm the *InterProtect*<sup>®</sup> with the electronics inside.



The robust construction guarantees shock and vibration resistance in accordance to the relevant railway and military standards up to 20g / 200 m/s<sup>2</sup>.

The subrack *InterProtect*<sup>®</sup> is predestinated for use in railways, defense and naval applications as well as all other applications requiring special protection of electronics. Heat generation can be dissipated through integrated heat sinks in the top and bottom modules.

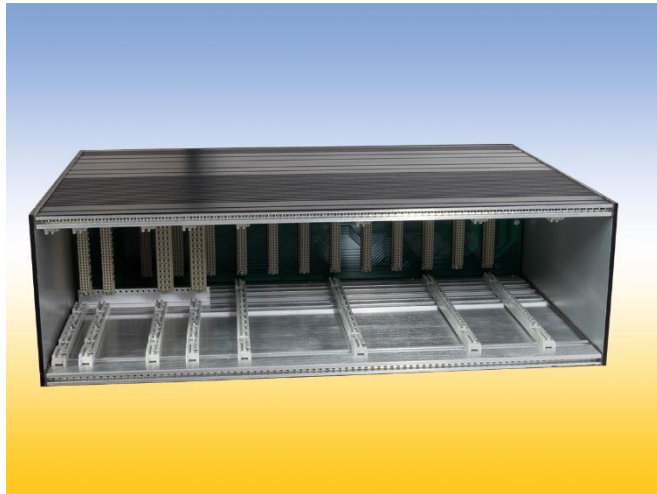
The standard subrack with an overall depth of 295,4 mm is designed for PCB depths 160, 220 and 240 mm. Besides the typical 19 inch width (84 HP) special widths can be produced easily.

The subrack will be hermetically sealed with a special conductive silicone sealing. Therefore, an optimal EMV/ESD-protection is achieved.

The chosen temperature range from -55 to +160°C allows applications all over the world.

Inside the subrack *InterProtect*<sup>®</sup> the electronics are optimally protected:

- effective environmental protection
- custom-fit
- cost-efficient



Specific requirements and installations can be realized economically with standard accessories and detachable parts.

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