# Trench: plusmeta-POC-Prompt-Sammlung

Nachfolgend werden die Prompts aufgelistet, die zur Extraktion der techn. Daten aus den Spezifikationen genutzt wurden. Für die Extraktion wurde das Modell „Claude 3.5 Sonnet“ von Anthropic verwendet.

Die Prompts wurden dabei **noch nicht** an die multimodale Verarbeitung oder höhere Modellversionen von Claude angepasst.

## DEV

Nachfolgend sind die Prompts aus der DEV-Umgebung aufgelistet, was dem neusten Stand entspricht.

### Basisattribute

"Your task is to extract a group of basic electrical product attributes of current transformers, voltage transformers and combined transformers from a given PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The group of basic electrical product attributes typically appears as one or more tables in its own chapter or in other chapters. However, the individual attributes may also appear in multiple tables or text passages. The group of basic electrical product attributes include the following attributes: Max. operation voltage Um, Frequency, Installation height, Standing lightning impulse voltage BIL, withstand voltage (dry), switching impulse voltage, BIL Chopped wave, Power frequency withstand voltage secondary, Neutral terminal HS, Ambient temperature min., Ambient temperature max., withstand voltage at 1 bar abs, Pollution class, spec. creepage distance, min. required creepage distance, Static flexural strength and Insulator supplier. You must extract the name of the basic electrical product attributes and their specified values. You answer in valid JSON only.\n\n An example template for a JSON API response is: { 'attribute1' : 'extracted name of the attribute', 'value1': 'extracted value of the corresponding attribute'; 'attribute2' : 'extracted name of the second attribute', 'value2': 'extracted value of the second corresponding attribute';} and so on. Put every fitting attribute and value in your answer. If a basic electrical product attributes can't be found in the text, answer with the value 'AI found no value'. \n\n Here is the text to analyze from which you should extract all basic electrical product attributes: {{ object.text }}. \n\n Make sure to identify all mentioned basic electrical product attributes in the whole text. Return a JSON answer with two elements per extracted basic electrical product attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); 'attribute2' (type: string), 'value2' (type: string); ...}. Answer only in valid JSON without any other text. Double check that your complete answer is valid JSON and that you include all basic electrical product attributes in the extraction."

### Erforderliche Prüfungen & Sonderprüfungen / Internal tests & special tests

“Your task is to decide which tests from a list are required for current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The tests are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of tests includes the following tests: Type test required, External observer, Additional type test required, SIL required, Voltage level on 1 bar a., Magnetization characteristic U, Magnetization characteristic I, dew point measurement, Insulation resistance measurement, Additional routine tests & special tests required and BIL required. You must extract the name of the tests and their specified values. Values can only be 'Yes' if the test is required and 'No' if the test isn't required or not mentioned. You answer in valid JSON only. An example template for a JSON API response is: {'test1' : 'extracted name of the first test', 'value1': 'extracted value of the first corresponding test'; 'attribute2' : 'extracted name of the second test', 'value2': 'extracted value of the second corresponding test';} and so on. Put every fitting test and value in your answer. If a test can't be found in the text, answer with the value 'No'. Here is the text to analyze from which you should extract all the tests from the list: {{ object.text }}. Make sure to identify all mentioned tests in the whole text. Return a valid JSON answer with two elements per extracted test while counting up: {'test1' (type: string), 'value1' ('Yes' or 'No'); ...}. Answer only in JSON without any other text. Double check that your complete answer is valid JSON and that you include all tests from the list in the extraction.”

### Spannungswandler - technische Daten

“Your task is to extract a group of winding product attributes per winding of voltage transformers and combined transformers from a given PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. Voltage transformers and combined transformers will have one or multiple windings. Ignore attributes that only belong to current transformers. The group of winding product attributes typically appears as one table in its own chapter or as part of other chapters. The group of winding product attributes include the following attributes: Rated primary voltage, Rated secondary voltage, Rated power, Accuracy class. You must extract the name of the winding product attributes and their specified values per winding. You answer in valid JSON only.\n\n An example template for a JSON API response is: {'winding1': 'extracted number of the winding','attribute1' : 'extracted name of the first attribute of the winding', 'value1': 'extracted value of the first corresponding attribute of the first winding', 'attribute2' : 'extracted name of the second attribute of the first winding', 'value2': 'extracted value of the second corresponding attribute of the first winding'; } and so on. Put every fitting attribute and value for every mentioned winding in your answer. If a winding product attribute can't be found in the text, answer with the value 'AI found no value'. \n\n Here is the text to analyze from which you should extract all winding product attributes: {{ object.text }}. \n\n Make sure to identify all windings and their winding attributes in the whole text. Double check that the attributes belong to a voltage or combined transformer. Return a JSON answer with three elements per extracted winding product attribute while counting up: {'winding1' (type: number), 'attribute1' (type: string), 'value1' (type: string);}. Answer only in JSON without any other text. Double check that your complete answer is valid JSON and that you include all winding product attributes in the extraction.”

### Stromwandler - technische Daten

“Your task is to extract a group of core product attributes per core of current transformers and combined transformers from a given PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. Current transformers and combined transformers will have one or multiple cores. The group of core product attributes typically appears as one table in its own chapter or as part of other chapters. The group of core product attributes include the following attributes: Accuracy class, Rated primary current, Rated secondary current, Overcurrent factor, Rated power, Extended measuring range in %, Secondary winding resistance, Knee-point voltage, Magnetizing current, Short-circuit current factor KSSC, Dimensioning factor Ktd, Primary rating time constant Tp, Secondary rating time constant Ts, 1. current flow t´, 1. current flow tal´, 2. current flow t´´, 2. current flow tal´´ and Latency. You must extract the core product attributes and their specified values per core. You answer in valid JSON only. An example template for a JSON API answer is: {'core1': 'extracted number of the core','attribute1': 'name of the first attribute of the first core', 'value1': 'extracted value of the first corresponding attribute of the first core'; 'attribute2' : 'name of the second attribute of the first core', 'value2': 'extracted value of the second corresponding attribute of the first core';} and so on. Put every attribute and value for every mentioned core in your answer. If a core product attribute can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all core product attributes: {{ object.text }}. Make sure to identify all cores and their core attributes in the whole text. Double check that the attributes belong to a current or combined transformer. Return a JSON answer with three elements per extracted core product attribute while counting up: {'core1' (type: number), 'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the given JSON template without any other text. Double check that your complete answer is valid JSON and that you include all core product attributes in the extraction.”

### Dichtewächter- und Druckdaten / Densimeter and pressure-specifications

“Your task is to extract information on attributes from a list for current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The attributes are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of attributes includes the following: Densimeter-type, Pressure shown on the Densimeter, Number of Densimeter Contacts, Densimeter testing equipment, Cable protection hose, Densimeter wired in terminal box, Densimeter points to the ground (rotation), Densimeter switching contacts with falling pressure, Densimeter brand, Hybrid Densimeter, Sensgear required, Earthing contacts seperately grounded, Percentage of Mixed gas (SF6/N2) / CA, Permissible leakage rate and Filling valve. You must extract the specified values and strings of the listed attributes. You answer in valid JSON only. An example template for a JSON API answer is: {'attrbute1' : 'name of the first attribute', 'value1': 'extracted value of the first corresponding attribute'; 'attribute2' : 'name of the second attribute', 'value2': 'extracted value of the second corresponding attribute'; ...} and so on. Put every attribute and corresponding value in your answer. If an attribute can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all the attributes from the list: {{ object.text }}. Make sure to identify all mentioned attributes in the whole text. Return a JSON answer with two elements per extracted attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the JSON template without any other text. Double check that your complete answer is valid JSON and that you include all attributes from the list in the extraction.”

### Sekundärklemmenkasten / Secondary terminalbox

“Your task is to extract attributes from a list for secondary terminal boxes of current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The attributes are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of attributes includes the following: Terminal box design, Type of connection clamps, Type of densimeter clamps, Earthing bar, PT100 required, Protection required, Detail of protection, Auxiliary contacts, Spark gap required, Intended breaking points, Terminal box heating, Cover of customer clamps, Cable glands required, Language on ratingplate, Material of ratingplate, Supplier ID number on ratingplate, Barcode on ratingplate, Name on ratingplate. You must extract the specified values of the mentioned attributes. You answer in valid JSON only. An example template for a JSON API answer is: {'attribute1' : 'name of the first attribute', 'value1': 'extracted value of the first corresponding attribute'; 'attribute2' : 'name of the second attribute', 'value2': 'extracted value of the second corresponding attribute'; ...} and so on. Put every attribute and value in your answer. If an attribute can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all the attributes from the list: {{ object.text }}. Make sure to identify all mentioned attributes in the whole text. Return a JSON answer with two elements per extracted attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the given JSON template without any other text. Double check that your complete answer is valid JSON and that you include all attributes from the list in the extraction.”

### Weitere Forderungen / Others

“Your task is to extract attributes from a list of current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The attributes are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of attributes includes the following: type of primary connection, type of earthing connection, Material of earthing connection, Additional delivery parts from TG required, Wandlerpass or special short manual designed for Customer required, types of documents located in TB. You must extract the specified values of the mentioned attributes. You answer in valid JSON only. An example template for a JSON API answer is: {'attribute1' : 'name of the first attribute', 'value1': 'extracted value of the first corresponding attribute'; 'attribute2' : 'name of the second attribute', 'value2': 'extracted value of the second corresponding attribute'; ...} and so on. Put every attribute and value in your answer. If an attribute can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all the attributes from the list: {{ object.text }}. Make sure to identify all mentioned attributes in the whole text. Return a JSON answer with two elements per extracted attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the given JSON template without any other text. Double check that your complete answer is valid JSON and that you include all attributes from the list in the extraction.”

## APP

Nachfolgend sind die Prompts aus der APP-Umgebung aufgelistet, was einem älteren Stand entspricht.

### Basisattribute

" Your task is to extract a group of basic electrical product attributes of current transformers, voltage transformers and combined transformers from a given PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The group of basic electrical product attributes typically appears as one or more tables in its own chapter or in other chapters. However, the individual attributes may also appear in multiple tables or text passages. The group of basic electrical product attributes include the following attributes: Max. operation voltage Um, Frequency, Installation height, Standing lightning impulse voltage BIL, withstand voltage (dry), switching impulse voltage, BIL Chopped wave, Power frequency withstand voltage secondary, Neutral terminal HS, Ambient temperature min., Ambient temperature max., withstand voltage at 1 bar abs, Pollution class, spec. creepage distance, min. required creepage distance, Static flexural strength and Insulator supplier. You must extract the name of the basic electrical product attributes and their specified values. You answer in valid JSON only. An example template for a JSON API response is: { 'attribute1' : 'extracted name of the attribute', 'value1': 'extracted value of the corresponding attribute'; 'attribute2' : 'extracted name of the second attribute', 'value2': 'extracted value of the second corresponding attribute';} and so on. Put every fitting attribute and value in your answer. If a basic electrical product attributes can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all basic electrical product attributes: {{ object.text }}. Make sure to identify all mentioned basic electrical product attributes in the whole text. Return a JSON answer with two elements per extracted basic electrical product attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); 'attribute2' (type: string), 'value2' (type: string); ...}. Answer only in valid JSON without any other text. Double check that your complete answer is valid JSON and that you include all basic electrical product attributes in the extraction."

### Erforderliche Prüfungen & Sonderprüfungen / Internal tests & special tests

“Your task is to decide which tests from a list are required for current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The tests are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of tests includes the following tests: Type test required, External observer, Additional type test required, SIL required, Voltage level on 1 bar a., Magnetization characteristic U, Magnetization characteristic I, dew point measurement, Insulation resistance measurement, Additional routine tests & special tests required and BIL required. You must extract the name of the tests and their specified values. Values can only be 'Yes' if the test is required and 'No' if the test isn't required or not mentioned. You answer in valid JSON only. An example template for a JSON API response is: {'test1' : 'extracted name of the first test', 'value1': 'extracted value of the first corresponding test'; 'attribute2' : 'extracted name of the second test', 'value2': 'extracted value of the second corresponding test';} and so on. Put every fitting test and value in your answer. If a test can't be found in the text, answer with the value 'No'. Here is the text to analyze from which you should extract all the tests from the list: {{ object.text }}. Make sure to identify all mentioned tests in the whole text. Return a valid JSON answer with two elements per extracted test while counting up: {'test1' (type: string), 'value1' ('Yes' or 'No'); ...}. Answer only in JSON without any other text. Double check that your complete answer is valid JSON and that you include all tests from the list in the extraction.”

### Spannungswandler - technische Daten

“Your task is to extract a group of winding product attributes per winding of voltage transformers and combined transformers from a given PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. Voltage transformers and combined transformers will have one or multiple windings. Ignore attributes that only belong to current transformers. The group of winding product attributes typically appears as one table in its own chapter or as part of other chapters. The group of winding product attributes include the following attributes: Rated primary voltage, Rated secondary voltage, Rated power, Accuracy class. You must extract the name of the winding product attributes and their specified values per winding. You answer in valid JSON only.\n\n An example template for a JSON API response is: {'winding1': 'extracted number of the winding','attribute1' : 'extracted name of the first attribute of the winding', 'value1': 'extracted value of the first corresponding attribute of the first winding', 'attribute2' : 'extracted name of the second attribute of the first winding', 'value2': 'extracted value of the second corresponding attribute of the first winding'; } and so on. Put every fitting attribute and value for every mentioned winding in your answer. If a winding product attribute can't be found in the text, answer with the value 'No value found'. \n\n Here is the text to analyze from which you should extract all winding product attributes: {{ object.text }}. \n\n Make sure to identify all windings and their winding attributes in the whole text. Double check that the attributes belong to a voltage or combined transformer. Return a JSON answer with three elements per extracted winding product attribute while counting up: {'winding1' (type: number), 'attribute1' (type: string), 'value1' (type: string);}. Answer only in JSON without any other text. Double check that your complete answer is valid JSON and that you include all winding product attributes in the extraction.”

### Stromwandler - technische Daten

“Your task is to extract a group of core product attributes per core of current transformers and combined transformers from a given PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. Current transformers and combined transformers will have one or multiple cores. The group of core product attributes typically appears as one table in its own chapter or as part of other chapters. The group of core product attributes include the following attributes: Accuracy class, Rated primary current, Rated secondary current, Overcurrent factor, Rated power, Extended measuring range in %, Secondary winding resistance, Knee-point voltage, Magnetizing current, Short-circuit current factor KSSC, Dimensioning factor Ktd, Primary rating time constant Tp, Secondary rating time constant Ts, 1. current flow t´, 1. current flow tal´, 2. current flow t´´, 2. current flow tal´´ and Latency. You must extract the core product attributes and their specified values per core. You answer in valid JSON only. An example template for a JSON API answer is: {'core1': 'extracted number of the core','attribute1': 'name of the first attribute of the first core', 'value1': 'extracted value of the first corresponding attribute of the first core'; 'attribute2' : 'name of the second attribute of the first core', 'value2': 'extracted value of the second corresponding attribute of the first core';} and so on. Put every attribute and value for every mentioned core in your answer. If a core product attribute can't be found in the text, answer with the value 'No value found'. Here is the text to analyze from which you should extract all core product attributes: {{ object.text }}. Make sure to identify all cores and their core attributes in the whole text. Double check that the attributes belong to a current or combined transformer. Return a JSON answer with three elements per extracted core product attribute while counting up: {'core1' (type: number), 'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the given JSON template without any other text. Double check that your complete answer is valid JSON and that you include all core product attributes in the extraction.”

### Dichtewächter- und Druckdaten / Densimeter and pressure-specifications

“Your task is to extract information on attributes from a list for current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The attributes are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of attributes includes the following: Densimeter-type, Pressure shown on the Densimeter, Number of Densimeter Contacts, Densimeter testing equipment, Cable protection hose, Densimeter wired in terminal box, Densimeter points to the ground (rotation), Densimeter switching contacts with falling pressure, Densimeter brand, Hybrid Densimeter, Sensgear required, Earthing contacts seperately grounded, Percentage of Mixed gas (SF6/N2) / CA, Permissible leakage rate and Filling valve. You must extract the specified values and strings of the listed attributes. You answer in valid JSON only. An example template for a JSON API answer is: {'attrbute1' : 'name of the first attribute', 'value1': 'extracted value of the first corresponding attribute'; 'attribute2' : 'name of the second attribute', 'value2': 'extracted value of the second corresponding attribute'; ...} and so on. Put every attribute and corresponding value in your answer. If an attribute can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all the attributes from the list: {{ object.text }}. Make sure to identify all mentioned attributes in the whole text. Return a JSON answer with two elements per extracted attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the JSON template without any other text. Double check that your complete answer is valid JSON and that you include all attributes from the list in the extraction.”

### Sekundärklemmenkasten / Secondary terminalbox

“Your task is to extract attributes from a list for secondary terminal boxes of current transformers, voltage transformers and combined transformers on the basis of given a PDF text extract. The text extract is a technical specification document of one or more current transformers, voltage transformers and combined transformers. The attributes are usually mentioned in several places in the continuous text, but can also be contained in one or more tables. The list of attributes includes the following: Terminal box design, Type of connection clamps, Type of densimeter clamps, Earthing bar, PT100 required, Protection required, Detail of protection, Spark gap required, Intended breaking points, Terminal box heating, Cover of customer clamps, Cableglands, Language on ratingplate, Material of ratingplate, Supplier ID number on ratingplate, Name on ratingplate. You must extract the specified values of the mentioned attributes. You answer in valid JSON only. An example template for a JSON API answer is: {'attribute1' : 'name of the first attribute', 'value1': 'extracted value of the first corresponding attribute'; 'attribute2' : 'name of the second attribute', 'value2': 'extracted value of the second corresponding attribute'; ...} and so on. Put every attribute and value in your answer. If an attribute can't be found in the text, answer with the value 'AI found no value'. Here is the text to analyze from which you should extract all the attributes from the list: {{ object.text }}. Make sure to identify all mentioned attributes in the whole text. Return a JSON answer with two elements per extracted attribute while counting up: {'attribute1' (type: string), 'value1' (type: string); ...}. Answer only in the given JSON template without any other text. Double check that your complete answer is valid JSON and that you include all attributes from the list in the extraction.”

### Weitere Forderungen / Others

Wurde im älteren Stand noch nicht extrahiert.