Dati tecnici
CAPT® 040+. Commutatore de-energizzato

13686366/00 IT



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Le istruzioni di servizio originali sono state redatte in lingua tedesca.

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1 Introduzione

Questa documentazione tecnica contiene informazioni dettagliate sulle caratteristiche tecniche del prodotto.

1.1 Descrizione del funzionamento

I commutatori de-energizzati sono utilizzati per regolare la tensione dei trasformatori in olio. Al contrario dei commutatori sotto carico, la regolazione dell'avvolgimento in derivazione deve avvenire con trasformatore disinnestato sul lato di alta tensione e sul lato di bassa tensione.

Lo spostamento del commutatore de-energizzato da una posizione di esercizio all'altra avviene ruotando un albero d'azionamento. L'azionamento del commutatore de-energizzato avviene mediante un comando motorizzato o un comando manuale.

1.2 Principio di commutazione

La costruzione del commutatore de-energizzato si basa su un sistema modulare che permette un programma di fornitura per i seguenti collegamenti base:
- commutatore de-energizzato lineare
- commutatore de-energizzato lineare doppio
- commutatore de-energizzato salterello
- commutatore de-energizzato salterello doppio
- commutatore de-energizzato esclusione di spire
- commutatore de-energizzato a collegamento in serie parallelo
- commutatore de-energizzato a collegamento stella-triangolo
- commutatore de-energizzato per applicazioni speciali

1.3 Designazione dei commutatori de-energizzati

Questa documentazione tecnica contiene applicazioni standard e configurazioni standard. Nella tabella seguente viene spiegato come interpretare le designazioni delle diverse varianti del commutatore de-energizzato.

> **i** Per le versioni speciali del commutatore de-energizzato(commutatore de-energizzato con più gruppi di contatto (Stage), montaggio speculare, connessioni speciali, ecc.) è necessaria un'analisi tecnica. Rivolgersi a Reinhausen GmbH.

Esempio di una designazione di commutatore de-energizzato: B02MFS-M0314-3M1-AN2ANS

	Significato	Versione	Parametri possibili
B	Tipo	Schema dei contatti a ponte	B
		Schema dei contatti lineare	L
02	Massima tensione per dispositivo Um	26 kV	02
		36 kV	03
		52 kV	05
		73 kV	07
M	Corrente passante nominale max.	1000 A	K

	Significato	Versione	Parametri possibili
M	Corrente passante nominale max.	1600 A	M
F	Tipo di contatto	Filettato	T
		Piatto	F
S	Trattamento superficiale	Contatti argentati	S
M	Numero di contatti mobili per gruppo di contatti (Stage)[1)]	1	M
		2	B
		3	T
03	Numero massimo delle posizioni di esercizio[4)]	2...15	02...15
14	Distanza tra i contatti	70 mm	07
		100 mm	10
		140 mm	14
		210 mm	21
		280 mm	28
3	Numero di piani di contatto (Deck)[2)]	1	1
		2	2
		3	3
		4	4
M	Numero di gruppi di contatti (Stage) per ogni piano di contatto (Deck)[3)]	1	M
		2	B
		3	T
		4	Q
		5	P
		6	H
		2+1	F
1	Numero di colonne commutatore de-energizzato[3)]	1	1
		2	2
		3	3
a	Materiale	Barre in carta bachelizzata e componenti in acciaio	a
		Barre in carta bachelizzata e componenti in acciaio inox	B
		Barre in fibra di vetro e resina epossidica e componenti in acciaio	C
		Barre in fibra di vetro e resina epossidica e componenti in acciaio inox	D
N	Con anelli equipotenziali	Senza anelli equipotenziali[5)]	N
		Con anelli equipotenziali	a
		Con anelli equipotenziali e schermo isolante	C

	Significato	Versione	Parametri possibili
2	Posizione rinvio di testa[3]	1	1
		2	2
		3	3
		4	4
		5	5
		6	6
		7	7
a	Uscita albero[2]	Diretta	a
		Rinvio a squadra 0°	B
		Rinvio a squadra 90°	C
		Rinvio a squadra 180°	D
		Rinvio a squadra 270°	E
N	Altro supporto	Nessuna informazione aggiuntiva	N
		Altro supporto sul commutatore de-energizzato	a
		Altro supporto sul commutatore de-energizzato e fissaggi	B
S	Versione	Standard	S
		Speciale	X

[1] Con una configurazione corrispondente del prodotto, sono possibili massimo 6 contatti mobili per fase di contatto (Stage) (è necessaria una configurazione speciale)

[2] Per una rappresentazione dettagliata di questi parametri vedere [▶10195853]

[3] Per una rappresentazione dettagliata di questi parametri vedere [▶10195852]

[4] Il numero massimo di posizioni viene ricalcolato in base alla distanza tra contatti fissi

[5] Gli anelli equipotenziali sono sempre forniti per la classe 73 kV con la distanza tra i contatti fissi di 210 mm e 280 mm.

Esempio di denominazione della disposizione dei comandi: 070-040+.LAYOUT2A.S-DP

	Significato	Versione	Parametri possibili
070-040+	Serie di comando	Comando per commutatore de-energizzato	070-040+
2A	Tipo di layout[6]	1A	1A
		1B	1B
		1C	1C
		2A	2A
		2B	2B
		2C	2C

	Significato	Versione	Parametri possibili
2A	Tipo di layout[6)]	2D	2D
		2E	2E
		3A	3A
		3B	3B
		3C	3C
		3D	3D
		3E	3E
		4A	4A
		4B	4B
		4C	4C
		5A	5A
		5B	5B
		5C	5C
		5D	5D
S	Albero di comando	Albero metallico	S
		Albero isolante	FL
D	Trattamento superficiale	senza	n.a.
		Geomet ®[7)]	D
P	Accessori	senza	n.a.
		Tubi di protezione in acciaio inox[8)]	P

[6)] Tutti i tipi di layout sono disponibili anche in versione speculare rispetto alla versione standard. La designazione di queste versioni si compone della denominazione del tipo di layout seguita da "I" (esempio 1AI). Per informazioni dettagliate vedere

[7)] Applicabile solo per questi tipi di layout e le loro versioni speculari:
- 4A
- 4B
- 4C
- 5A
- 5B
- 5C
- 5D

[8)] I tubi di protezione in acciaio inox sono inclusi di serie nelle versioni con comando a motore. Nelle versioni con comando a mano, i tubi di protezione sono possibili solo come optional per i seguenti tipi di layout e le loro versioni speculari:
- 4A
- 4B
- 4C
- 5A
- 5B
- 5C
- 5D

2 Dati tecnici

2.1 Liquido isolante

I seguenti liquidi isolanti sono idonei per il funzionamento di questo commutatore de-energizzato:

Liquido isolante	– Oli isolanti nuovi derivanti da prodotti petroliferi[1)] secondo IEC 60296 e ASTM D3487 (norme equivalenti su richiesta) – Oli isolanti nuovi derivanti da altri idrocarburi incontaminati secondo IEC 60296 o miscele di questi oli con prodotti petroliferi[1)] secondo IEC 60296, ASTM D3487 o norme equivalenti su richiesta – Liquidi isolanti alternativi, ad es. esteri naturali e sintetici o oli al silicone, su richiesta [1)] In questo contesto gli oli gas-to-liquid (oli GTL) sono considerati prodotti petroliferi

Tabella 1: Liquido isolante

> Rivolgersi a Reinhausen GmbH per applicazioni con altri tipi di liquidi isolanti (silicone o estere).

2.2 Campo di temperatura

Il commutatore de-energizzato può essere utilizzato in un campo di carico nominale con temperature dell'olio da -40 °C a +105 °C e, secondo la norma IEC 60214-1, fino a +115 °C (in caso di funzionamento d'emergenza del trasformatore secondo la norma IEC 60076-7).

> All'occorrenza il commutatore de-energizzato a seconda della versione può essere utilizzato fino a -60 °C o fino a +155 °C[1)]. Qui possono valere limitazioni per le guarnizioni. In questo caso rinvolgersi a Reinhausen GmbH.

[1)]secondo la norma IEC 60085:2007 classe F

2.3 Sollecitazioni di tensione ammesse

La tensione di esercizio massima ammessa verso terra, tra le fasi e tra contatti adiacenti del commutatore de-energizzato corrisponde a metà del valore delle tensioni nominali di tenuta a frequenza industriale menzionate nelle tabelle seguenti.

La capacità isolante dell'isolamento del commutatore de-energizzato è determinata dalle tensioni di tenuta nominali (tabelle seguenti) che corrispondono nella prassi alle gradazioni richieste. La sollecitazione dell'isolamento interno del commutatore de-energizzato viene osservata in particolare nella prova con tensione a impulso e nel test a tensione indotta del trasformatore e dipende anche dalla posizione del commutatore de-energizzato.

Um [kV]	Distanza di isolamento	LI	LIC	AV
26	Verso terra e tra le fasi	150	165	50
36	Verso terra e tra le fasi	200	220	70
52	Verso terra e tra le fasi	250	275	95
73	Verso terra e tra le fasi	350	385	140

Tipo	Distanza di isolamento	Uir	LI	AV
Contatto a ponte / contatto lineare	Tra contatti adiacenti – distanza tra i contatti 70 mm	20	130	40
	Tra contatti adiacenti – distanza tra i contatti 100 mm	25	170	50
	Tra contatti adiacenti – distanza tra i contatti 140 mm	31	200	60
	Tra contatti adiacenti – distanza tra i contatti 210 mm	52	280	100
	Tra contatti adiacenti – distanza tra i contatti 280 mm	57	330	110
Contatto lineare	Tra contatto di posizione e contatti comuni	31	200	60

Abbreviazioni per il livello di isolamento nominale:

LI	Tensione ad impulso atmosferico ad onda piena (kV, 1,2/50 µs)
LIC	Tensione ad impulso atmosferico ad onda tronca (kV, 1,2/50/3 µs)
AV	Tensione applicata (kV, 50 Hz, 1 min)
Uir	Tensione di gradino nominale (kV)

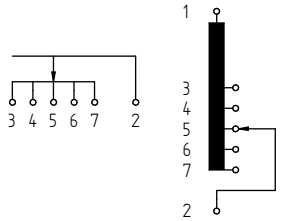
2.4 Corrente passante nominale

Il commutatore de-energizzato è disponibile in due classi di corrente passante nominale.
- 1000 A
- 1600 A

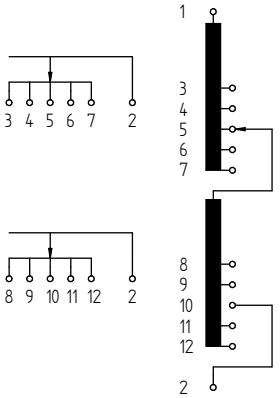
Entrambe le classi sono disponibili con contatti fissi piatti o filettati.

3 Disegni

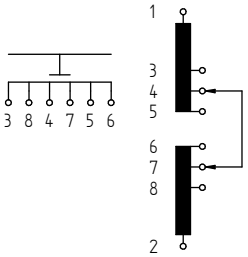
LINEAR
DE-ENERGIZED TAP-CHANGER



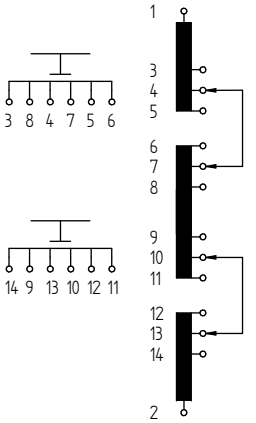
DOUBLE-LINEAR
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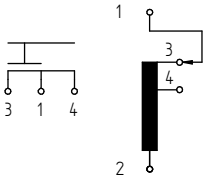
BRIDGING
DE-ENERGIZED TAP-CHANGER



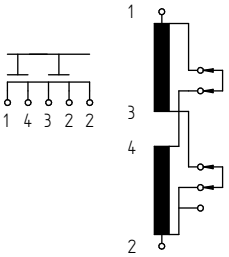
DOUBLE-BRIDGING
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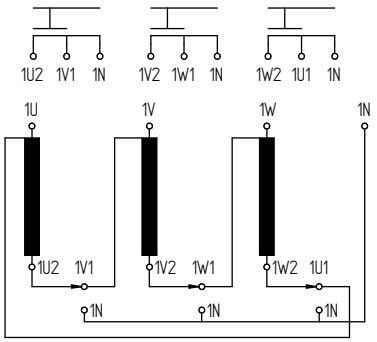
EXCLUSION OF TURNS
DE-ENERGIZED TAP-CHANGER



SERIES-PARALLEL
DE-ENERGIZED TAP-CHANGER



STAR-DELTA
DE-ENERGIZED TAP-CHANGER



SPECIAL CONNECTION
DE-ENERGIZED TAP-CHANGER ARE ALSO POSSIBLE

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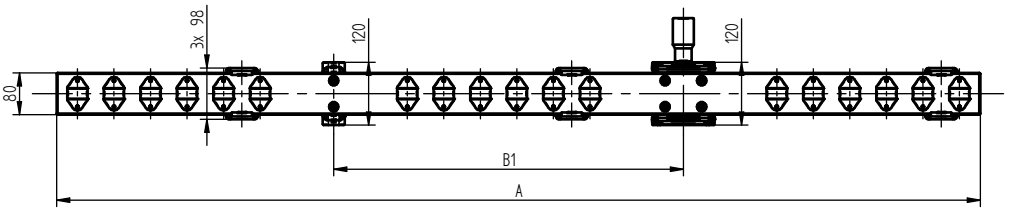
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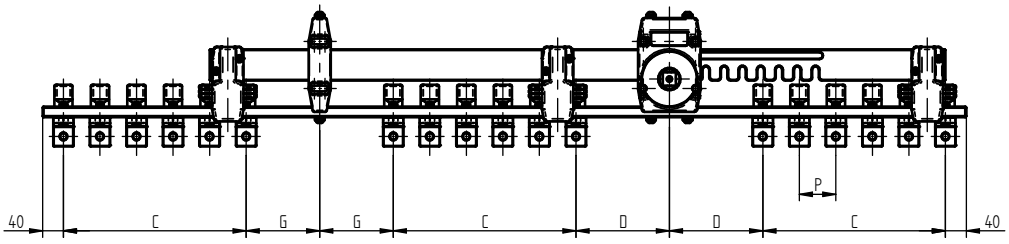
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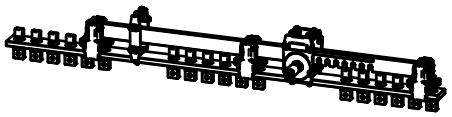
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
040+ Connection diagrams
Basic connection in simplified form

SERIAL NUMBER –
MATERIAL NUMBER 101958100E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)					
		A	B1	C	D	G	P
26	2	1140	460	140	179	141	70
	2	1320	520	200	179	141	100
	2	1560	600	280	179	141	140
	3	1350	530	210	179	141	70
	3	1620	620	300	179	141	100
	4	1560	600	280	179	141	70
	5	1770	670	350	179	141	70

U_m (kV)	N° Positions	Dimensions (mm)					
		A	B1	C	D	G	P
36	2	1271	525,5	140	212	173,5	70
	2	1451	585,5	200	212	173,5	100
	2	1691	665,5	280	212	173,5	140
	3	1481	595,5	210	212	173,5	70
	3	1751	685,5	300	212	173,5	100
	4	1691	665,5	280	212	173,5	70

U_m (kV)	N° Positions	Dimensions (mm)					
		A	B1	C	D	G	P
52	2	1496	638	140	268	230	70
	2	1676	698	200	268	230	100
	3	1706	708	210	268	230	70

U_m (kV)	N° Positions	Dimensions (mm)					
		A	B1	C	D	G	P
73	2	1831	805,5	140	352	313,5	70

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Stand.	25.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

MR

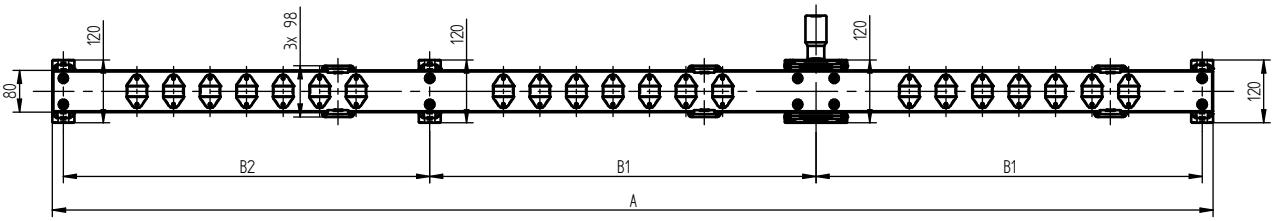
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV, 52 kV, 73 kV
– for bridge connection–

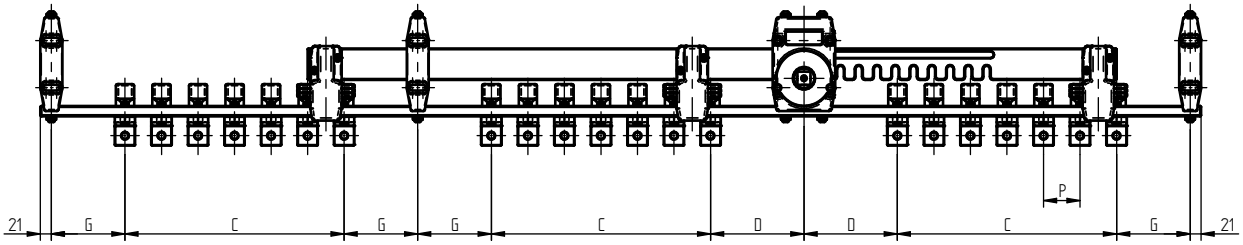
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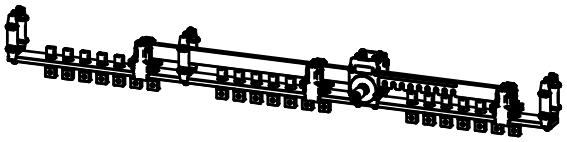
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SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
26	2	2224	740	702	420	179	141	210
	2	2644	880	842	560	179	141	280
	3	2224	740	702	420	179	141	140
	3	2854	950	912	630	179	141	210
	4	2164	720	682	400	179	141	100
	4	2644	880	842	560	179	141	140
	5	2464	820	782	500	179	141	100
	6	2224	740	702	420	179	141	70
	6	2764	920	882	600	179	141	100
	7	2434	810	772	490	179	141	70
	8	2644	880	842	560	179	141	70
	9	2854	950	912	630	179	141	70

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
36	2	2420	805,5	767	420	212	173,5	210
	2	2840	945,5	907	560	212	173,5	280
	3	2420	805,5	767	420	212	173,5	140
	3	3050	1015,5	977	630	212	173,5	210
	4	2360	785,5	747	400	212	173,5	100
	4	2840	945,5	907	560	212	173,5	140
	5	2210	735,5	697	350	212	173,5	70
	5	2660	885,5	847	500	212	173,5	100
	6	2420	805,5	767	420	212	173,5	70
	6	2960	985,5	947	600	212	173,5	100
	7	2630	875,5	837	490	212	173,5	70
	8	2840	945,5	907	560	212	173,5	70
	9	3050	1015,5	977	630	212	173,5	70

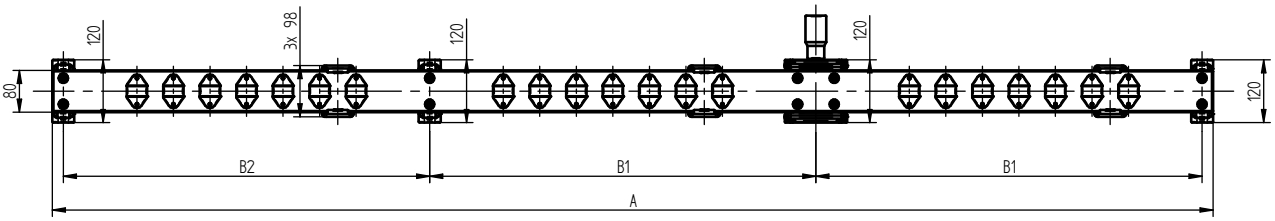
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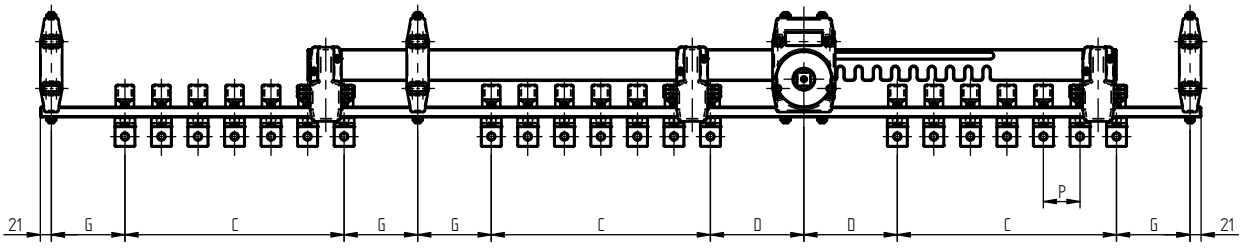
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Chkd.	19.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

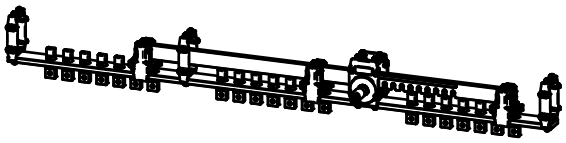
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV-
- for bridge connection-

SERIAL NUMBER –
MATERIAL NUMBER 101958110E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
52	2	2338	778	740	280	268	230	140
	2	2758	918	880	420	268	230	210
	3	2398	798	760	300	268	230	100
	3	2758	918	880	420	268	230	140
	4	2338	778	740	280	268	230	70
	4	2698	898	860	400	268	230	100
	5	2548	848	810	350	268	230	70
	5	2998	998	960	500	268	230	100
	6	2758	918	880	420	268	230	70
	7	2968	988	950	490	268	230	70

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
73	2	2600	865,5	827	200	352	313,5	100
	2	2840	945,5	907	280	352	313,5	140
	3	2630	875,5	837	210	352	313,5	70
	3	2900	965,5	927	300	352	313,5	100
	4	2840	945,5	907	280	352	313,5	70
	5	3050	1015,5	977	350	352	313,5	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12960796 000 00	Scale 1:10	
Chkd.	19.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

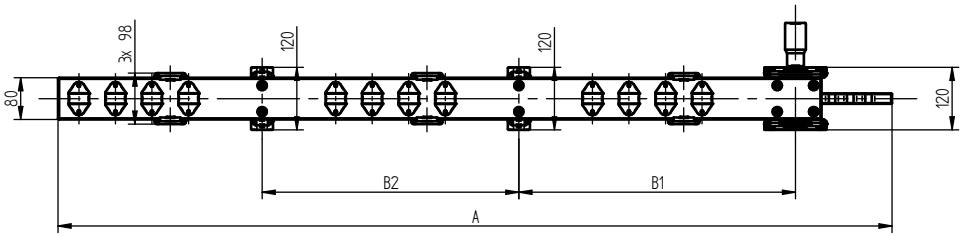
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 52 kV, 73 kV
– for bridge connection–

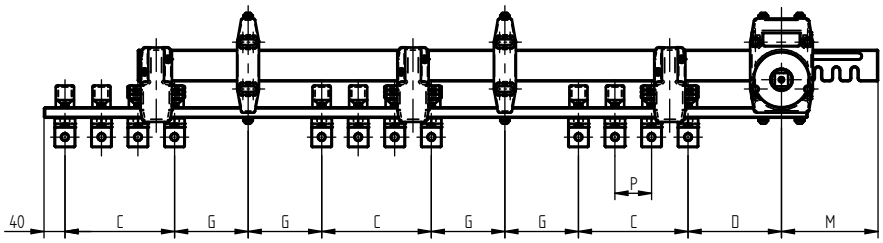
SERIAL NUMBER –

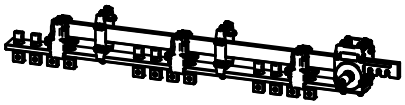
MATERIAL NUMBER 101958120E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
26	2	1318	460	422	140	179	141	115	70
	2	1543	520	482	200	179	141	160	100
	2	1808	600	562	280	179	141	185	140
	3	1598	530	492	210	179	141	185	70
	3	1943	620	582	300	179	141	260	100
	4	1878	600	562	280	179	141	255	70
	5	2158	670	632	350	179	141	325	70

U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
36	2	1481	525,5	487	140	212	173,5	115	70
	2	1706	585,5	547	200	212	173,5	160	100
	2	1971	665,5	627	280	212	173,5	185	140
	3	1761	595,5	557	210	212	173,5	185	70
	3	2106	685,5	647	300	212	173,5	260	100
	4	2041	665,5	627	280	212	173,5	255	70

U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
52	2	1763	638	600	140	268	230	115	70
	2	1988	698	660	200	268	230	160	100
	3	2043	708	670	210	268	230	185	70

U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
73	2	2181	805,5	767	140	352	313,5	115	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 127601184 000 00	Scale	1:10
Chkd.	19.06.2026	MONDINN	Change no.	1143366	
Stand.	25.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

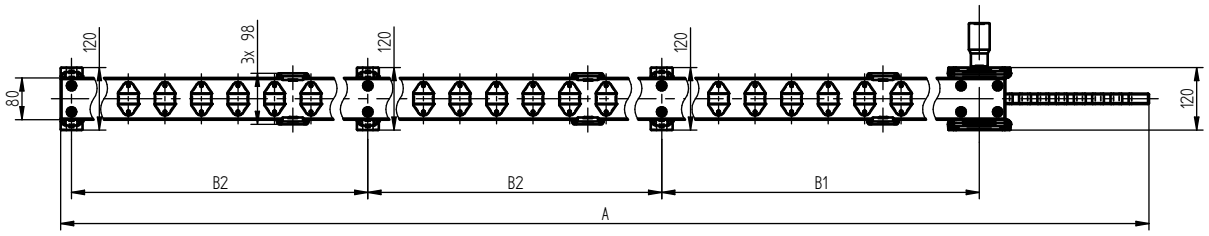
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV, 52 kV, 73 kV
– for bridge connection–

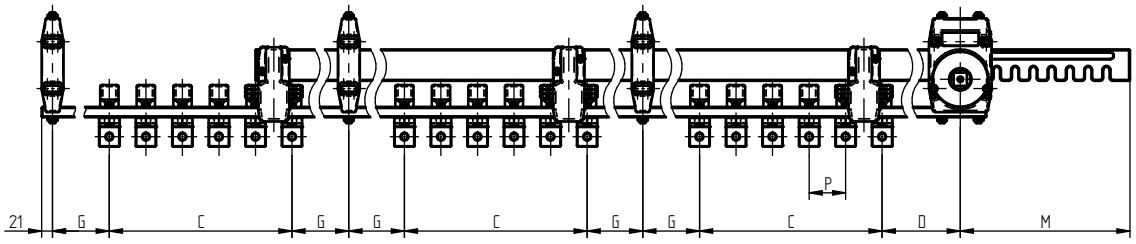
SERIAL NUMBER –

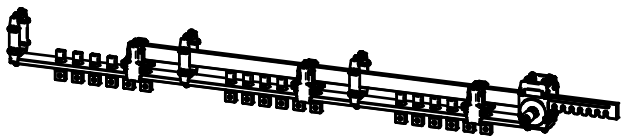
MATERIAL NUMBER 101958140E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
26	2	2420	740	702	420	179	141	255	210
	2	2910	880	842	560	179	141	325	280
	3	2490	740	702	420	179	141	325	140
	3	3260	950	912	630	179	141	465	210
	4	2465	720	682	400	179	141	360	100
	4	3050	880	842	560	179	141	465	140
	5	2865	820	782	500	179	141	460	100
	6	2560	740	702	420	179	141	395	70
	6	3265	920	882	600	179	141	560	100
	7	2840	810	772	490	179	141	465	70
	8	3120	880	842	560	179	141	535	70
	9	3400	950	912	630	179	141	605	70

U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
36	2	2615,5	805,5	767	420	212	173,5	255	210
	2	3105,5	945,5	907	560	212	173,5	325	280
	3	2685,5	805,5	767	420	212	173,5	325	140
	3	3455,5	1015,5	977	630	212	173,5	465	210
	4	2660,5	785,5	747	400	212	173,5	360	100
	4	3245,5	945,5	907	560	212	173,5	465	140
	5	2475,5	735,5	697	350	212	173,5	325	70
	5	3060,5	885,5	847	500	212	173,5	460	100
	6	2755,5	805,5	767	420	212	173,5	395	70
	6	3460,5	985,5	947	600	212	173,5	560	100
	7	3035,5	875,5	837	490	212	173,5	465	70
	8	3315,5	945,5	907	560	212	173,5	535	70
	9	3595,5	1015,5	977	630	212	173,5	605	70

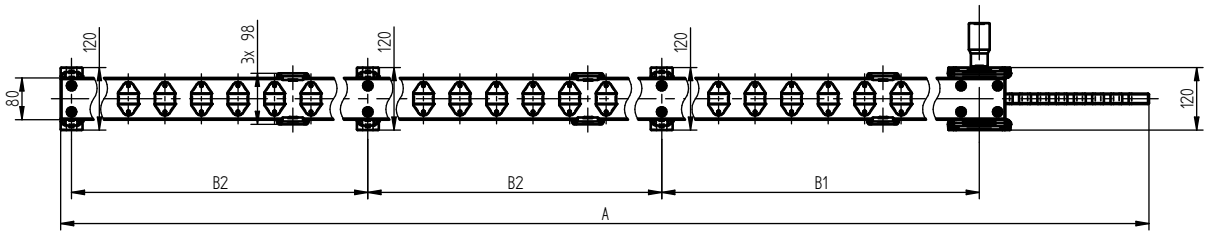
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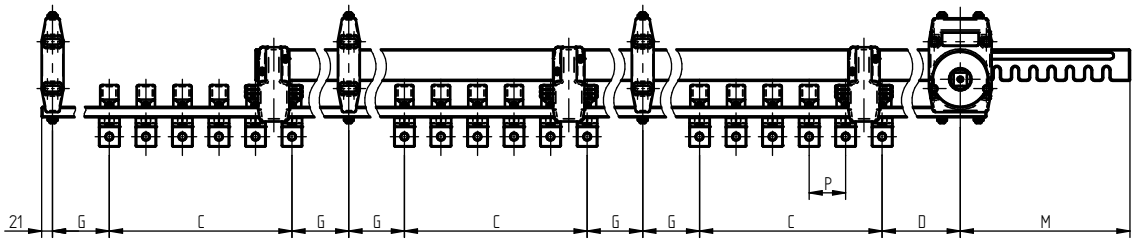
	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 127642I8 000 00	Scale 1:10	
Chkd.	19.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

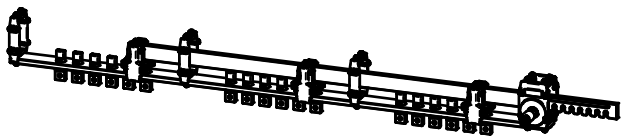
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV
– for bridge connection–

SERIAL NUMBER –
MATERIAL NUMBER 101958150E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
52	2	2464	778	740	280	268	230	185	140
	2	2954	918	880	420	268	230	255	210
	3	2599	798	760	300	268	230	260	100
	3	3024	918	880	420	268	230	325	140
	4	2534	778	740	280	268	230	255	70
	4	2999	898	860	400	268	230	360	100
	5	2814	848	810	350	268	230	325	70
	5	3399	998	960	500	268	230	460	100
	6	3094	918	880	420	268	230	395	70
	7	3374	988	950	490	268	230	465	70

U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	B2	C	D	G	M	P
73	2	2700,5	865,5	827	200	352	313,5	160	100
	2	2965,5	945,5	907	280	352	313,5	185	140
	3	2755,5	875,5	837	210	352	313,5	185	70
	3	3100,5	965,5	927	300	352	313,5	260	100
	4	3035,5	945,5	907	280	352	313,5	255	70
	5	3315,5	1015,5	977	350	352	313,5	325	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12965176 000 00	Scale 1:10	
Chkd.	19.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

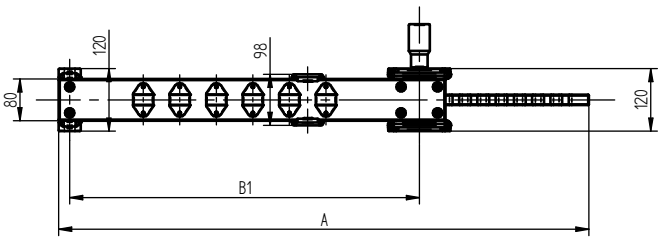
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 52 kV, 73 kV
- for bridge connection-

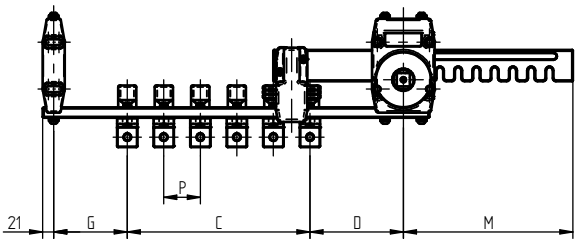
SERIAL NUMBER –

MATERIAL NUMBER 101958160E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
26	2	596	460	140	179	141	115	70
	2	701	520	200	179	141	160	100
	2	806	600	280	179	141	185	140
	2	1016	740	420	179	141	255	210
	2	1226	880	560	179	141	325	280
	3	736	530	210	179	141	185	70
	3	901	620	300	179	141	260	100
	3	1086	740	420	179	141	325	140
	3	1436	950	630	179	141	465	210
	3	1786	1160	840	179	141	605	280
	4	876	600	280	179	141	255	70
	4	1101	720	400	179	141	360	100
	4	1366	880	560	179	141	465	140
	4	1856	1160	840	179	141	675	210
	5	1016	670	350	179	141	325	70
	5	1301	820	500	179	141	460	100
	5	1646	1020	700	179	141	605	140
	6	1156	740	420	179	141	395	70
	6	1501	920	600	179	141	560	100
	7	1296	810	490	179	141	465	70
	7	1701	1020	700	179	141	660	100
	8	1436	880	560	179	141	535	70
	9	1576	950	630	179	141	605	70
	10	1716	1020	700	179	141	675	70

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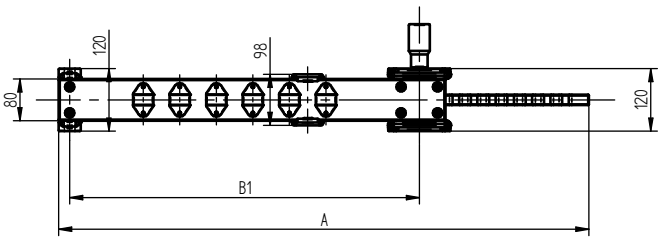
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Stand.	25.06.2026	CRESTANIN	1143366		

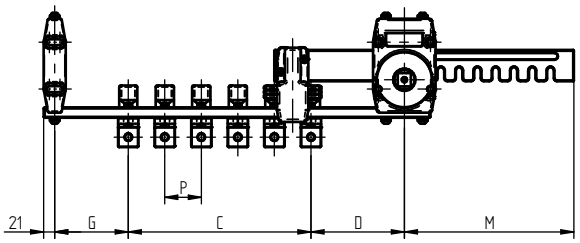
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 26 kV-
- for bridge connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958170E
SHEET 1 / 1
A3

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U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
36	2	661,5	525,5	140	212	173,5	115	70
	2	766,5	585,5	200	212	173,5	160	100
	2	871,5	665,5	280	212	173,5	185	140
	2	1081,5	805,5	420	212	173,5	255	210
	2	1291,5	945,5	560	212	173,5	325	280
	3	801,5	595,5	210	212	173,5	185	70
	3	966,5	685,5	300	212	173,5	260	100
	3	1151,5	805,5	420	212	173,5	325	140
	3	1501,5	1015,5	630	212	173,5	465	210
	3	1851,5	1225,5	840	212	173,5	605	280
	4	941,5	665,5	280	212	173,5	255	70
	4	1166,5	785,5	400	212	173,5	360	100
	4	1431,5	945,5	560	212	173,5	465	140
	4	1921,5	1225,5	840	212	173,5	675	210
	5	1081,5	735,5	350	212	173,5	325	70
	5	1366,5	885,5	500	212	173,5	460	100
	5	1711,5	1085,5	700	212	173,5	605	140
	6	1221,5	805,5	420	212	173,5	395	70
	6	1566,5	985,5	600	212	173,5	560	100
	6	1991,5	1225,5	840	212	173,5	745	140
	7	1361,5	875,5	490	212	173,5	465	70
	7	1766,5	1085,5	700	212	173,5	660	100
	8	1501,5	945,5	560	212	173,5	535	70
	8	1966,5	1185,5	800	212	173,5	760	100
	9	1641,5	1015,5	630	212	173,5	605	70
	10	1781,5	1085,5	700	212	173,5	675	70
	11	1921,5	1155,5	770	212	173,5	745	70

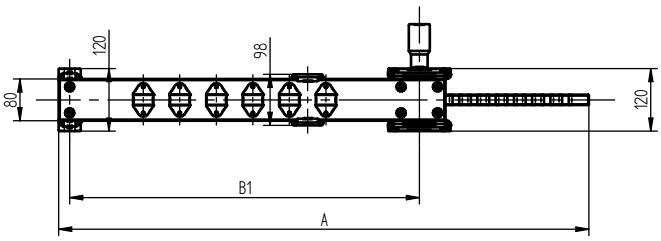
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Dftr.	16.06.2026	CRESTANIN	SED 129749711 000 00	Scale	1:10
Chkd.	19.06.2026	MONDINN	Change no.	1143366	
Stand.	26.06.2026	CRESTANIN			

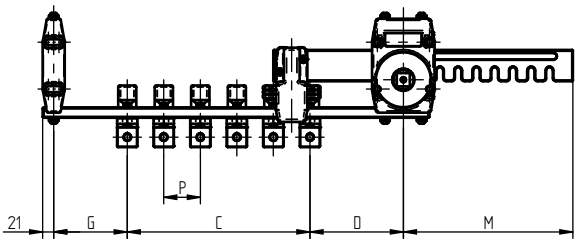
DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 36 kV-
- for bridge connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958180E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
52	2	774	638	140	268	230	115	70
	2	879	698	200	268	230	160	100
	2	984	778	280	268	230	185	140
	2	1194	918	420	268	230	255	210
	2	1404	1058	560	268	230	325	280
	3	914	708	210	268	230	185	70
	3	1079	798	300	268	230	260	100
	3	1264	918	420	268	230	325	140
	3	1614	1128	630	268	230	465	210
	3	1964	1338	840	268	230	605	280
	4	1054	778	280	268	230	255	70
	4	1279	898	400	268	230	360	100
	4	1544	1058	560	268	230	465	140
	4	2034	1338	840	268	230	675	210
	4	2524	1618	1120	268	230	885	280
	5	1194	848	350	268	230	325	70
	5	1479	998	500	268	230	460	100
	5	1824	1198	700	268	230	605	140
	5	2454	1548	1050	268	230	885	210
	6	1334	918	420	268	230	395	70
	6	1679	1098	600	268	230	560	100
	6	2104	1338	840	268	230	745	140
	7	1474	988	490	268	230	465	70
	7	1879	1198	700	268	230	660	100
	7	2384	1478	980	268	230	885	140
	8	1614	1058	560	268	230	535	70
	8	2079	1298	800	268	230	760	100
	9	1754	1128	630	268	230	605	70
	9	2279	1398	900	268	230	860	100
	10	1894	1198	700	268	230	675	70
	10	2479	1498	1000	268	230	960	100
	11	2034	1268	770	268	230	745	70
	12	2174	1338	840	268	230	815	70
	13	2314	1408	910	268	230	885	70
	14	2454	1478	980	268	230	955	70

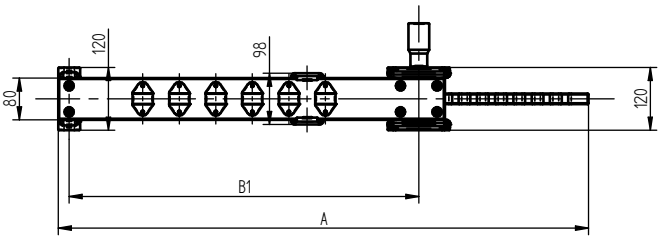
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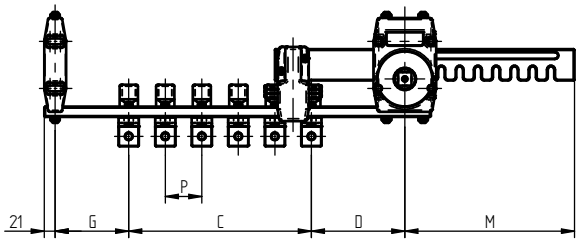
	Date	Name	Document no.		Projection method
Dftr.	25.08.2026	CRESTANIN	SED 129749780000 1	Scale	1:10
Chkd.	25.08.2026	MONDINN	Change no.	1147509	
Stand.	25.08.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

De-Energized Tap-Changer CAPT® 040+
single phase, Um 52 kV-
- for bridge connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958190E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
73	2	941,5	805,5	140	352	313,5	115	70
	2	1046,5	865,5	200	352	313,5	160	100
	2	1151,5	945,5	280	352	313,5	185	140
	3	1081,5	875,5	210	352	313,5	185	70
	3	1246,5	965,5	300	352	313,5	260	100
	3	1431,5	1085,5	420	352	313,5	325	140
	4	1221,5	945,5	280	352	313,5	255	70
	4	1446,5	1065,5	400	352	313,5	360	100
	4	1711,5	1225,5	560	352	313,5	465	140
	5	1361,5	1015,5	350	352	313,5	325	70
	5	1646,5	1165,5	500	352	313,5	460	100
	5	1991,5	1365,5	700	352	313,5	605	140
	6	1501,5	1085,5	420	352	313,5	395	70
	6	1846,5	1265,5	600	352	313,5	560	100
	6	2271,5	1505,5	840	352	313,5	745	140
	7	1641,5	1155,5	490	352	313,5	465	70
	7	2046,5	1365,5	700	352	313,5	660	100
	7	2551,5	1645,5	980	352	313,5	885	140
	8	1781,5	1225,5	560	352	313,5	535	70
	8	2246,5	1465,5	800	352	313,5	760	100
	8	2831,5	1785,5	1120	352	313,5	1025	140
	9	1921,5	1295,5	630	352	313,5	605	70
	9	2446,5	1565,5	900	352	313,5	860	100
	9	3111,5	1925,5	1260	352	313,5	1165	140
	10	2061,5	1365,5	700	352	313,5	675	70
	10	2646,5	1665,5	1000	352	313,5	960	100
	10	3391,5	2065,5	1400	352	313,5	1305	140
	11	2201,5	1435,5	770	352	313,5	745	70
	11	2846,5	1765,5	1100	352	313,5	1060	100
	12	2341,5	1505,5	840	352	313,5	815	70
	12	3046,5	1865,5	1200	352	313,5	1160	100
	13	2481,5	1575,5	910	352	313,5	885	70
	13	3246,5	1965,5	1300	352	313,5	1260	100
	14	2621,5	1645,5	980	352	313,5	955	70
	15	2761,5	1715,5	1050	352	313,5	1025	70

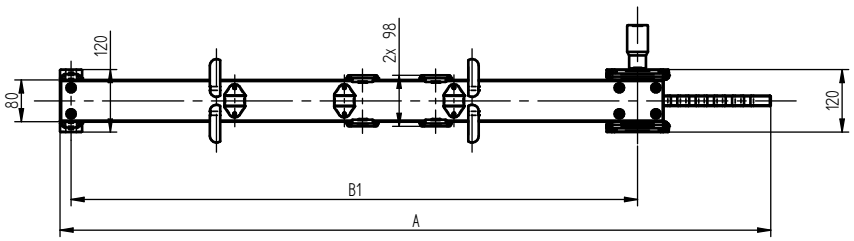
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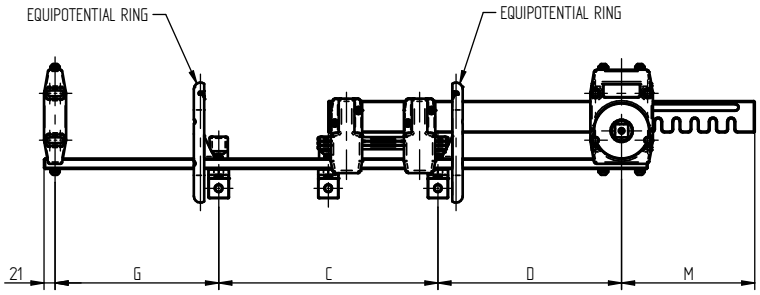
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Dftr.	16.06.2026	CRESTANIN	SED 129749820000	Scale	
Chkd.	19.06.2026	MONDINN	Change no.	1:10	
Stand.	26.06.2026	CRESTANIN	1143366		

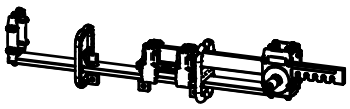
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 73 kV-
- for bridge connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958200E
SHEET 1/1
A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
73	2	1361,5	1085,5	420	352	313,5	255	210
	2	1571,5	1225,5	560	352	313,5	325	280
	3	1781,5	1295,5	630	352	313,5	465	210
	3	2131,5	1505,5	840	352	313,5	605	280
	4	2201,5	1505,5	840	352	313,5	675	210
	4	2691,5	1785,5	1120	352	313,5	885	280
	5	2621,5	1715,5	1050	352	313,5	885	210
	5	3251,5	2065,5	1400	352	313,5	1165	280
	6	3041,5	1925,5	1260	352	313,5	1095	210
	7	3461,5	2135,5	1470	352	313,5	1305	210

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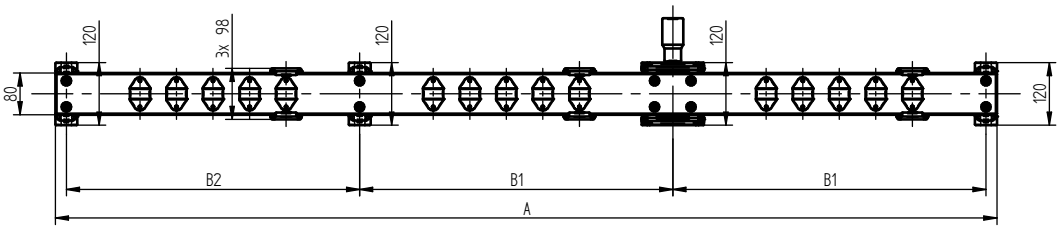
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Dftr.	16.06.2026	CRESTANIN	SED 13163292 000 00	Scale	1:10
Chkd.	19.06.2026	MONDINN	Change no.		
Stand.	25.06.2026	CRESTANIN	1143366		

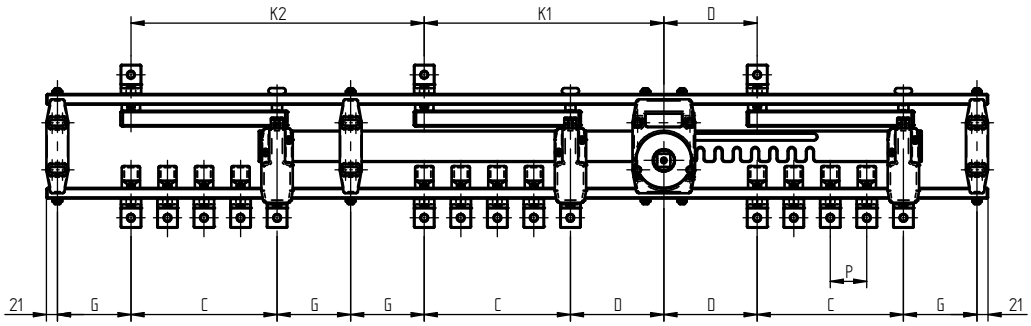
Projection method

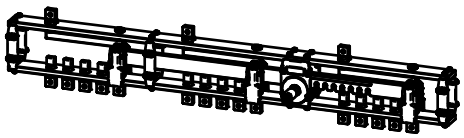
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 73 kV-
- for bridge connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958210E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
26	2	1174	390	352	70	179	141	249	352	70
	2	1264	420	382	100	179	141	279	382	100
	2	1384	460	422	140	179	141	319	422	140
	3	1384	460	422	140	179	141	319	422	70
	3	1564	520	482	200	179	141	379	482	100
	3	1804	600	562	280	179	141	459	562	140
	4	1594	530	492	210	179	141	389	492	70
	4	1864	620	582	300	179	141	479	582	100
	5	1804	600	562	280	179	141	459	562	70

U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
36	2	1370	455,5	417	70	212	173,5	282	417	70
	2	1460	485,5	447	100	212	173,5	312	447	100
	2	1580	525,5	487	140	212	173,5	352	487	140
	3	1580	525,5	487	140	212	173,5	352	487	70
	3	1760	585,5	547	200	212	173,5	412	547	100
	3	2000	665,5	627	280	212	173,5	492	627	140
	4	1790	595,5	557	210	212	173,5	422	557	70
	4	2060	685,5	647	300	212	173,5	512	647	100
	5	2000	665,5	627	280	212	173,5	492	627	70

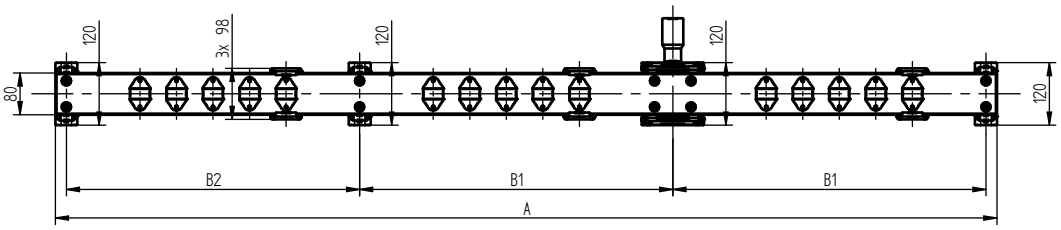
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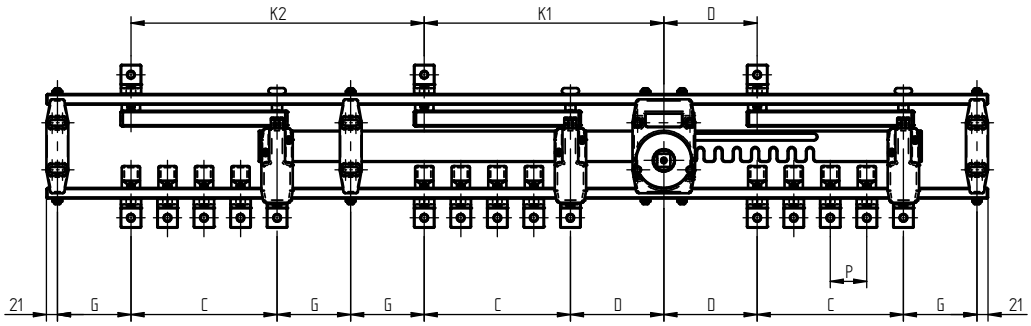
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Chkd.	22.06.2026	MONDINN	Change no.	1143366	
Stand.	25.06.2026	CRESTANIN			

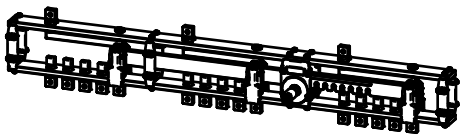
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV-
- for linear connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958220E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
52	2	1708	568	530	70	268	230	338	530	70
	2	1798	598	560	100	268	230	368	560	100
	2	1918	638	600	140	268	230	408	600	140
	3	1918	638	600	140	268	230	408	600	70
	3	2098	698	660	200	268	230	468	660	100
	3	2338	778	740	280	268	230	548	740	140
	4	2128	708	670	210	268	230	478	670	70
	4	2398	798	760	300	268	230	568	760	100
	5	2338	778	740	280	268	230	548	740	70

U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
73	2	2210	735,5	697	70	352	313,5	422	697	70
	2	2300	765,5	727	100	352	313,5	452	727	100
	2	2420	805,5	767	140	352	313,5	492	767	140
	3	2420	805,5	767	140	352	313,5	492	767	70
	3	2600	865,5	827	200	352	313,5	552	827	100
	3	2840	945,5	907	280	352	313,5	632	907	140
	4	2630	875,5	837	210	352	313,5	562	837	70
	4	2900	965,5	927	300	352	313,5	652	927	100
	5	2840	945,5	907	280	352	313,5	632	907	70

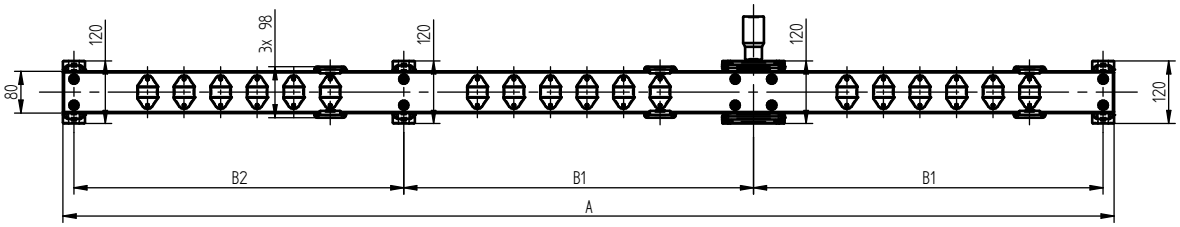
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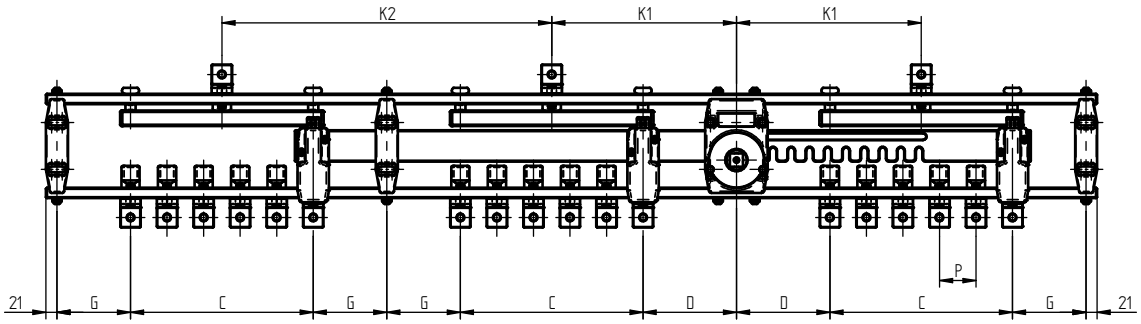
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Stand.	26.06.2026	CRESTANIN			

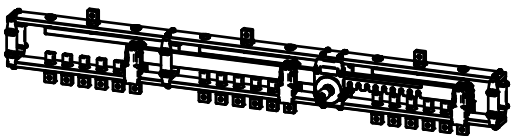
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 52 kV, 73 kV-
- for linear connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958290E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
26	4	2224	740	702	420	179	141	389	702	140
	5	2164	720	682	400	179	141	379	682	100
	5	2644	880	842	560	179	141	459	842	140
	6	2014	670	632	350	179	141	354	632	70
	6	2464	820	782	500	179	141	429	782	100
	7	2224	740	702	420	179	141	389	702	70
	7	2764	920	882	600	179	141	479	882	100
	8	2434	810	772	490	179	141	424	772	70
	9	2644	880	842	560	179	141	459	842	70
	10	2854	950	912	630	179	141	494	912	70

U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
36	4	2420	805,5	767	420	212	173,5	422	767	140
	5	2360	785,5	747	400	212	173,5	412	747	100
	5	2840	945,5	907	560	212	173,5	492	907	140
	6	2210	735,5	697	350	212	173,5	387	697	70
	6	2660	885,5	847	500	212	173,5	462	847	100
	7	2420	805,5	767	420	212	173,5	422	767	70
	7	2960	985,5	947	600	212	173,5	512	947	100
	8	2630	875,5	837	490	212	173,5	457	837	70
	9	2840	945,5	907	560	212	173,5	492	907	70
	10	3050	1015,5	977	630	212	173,5	527	977	70

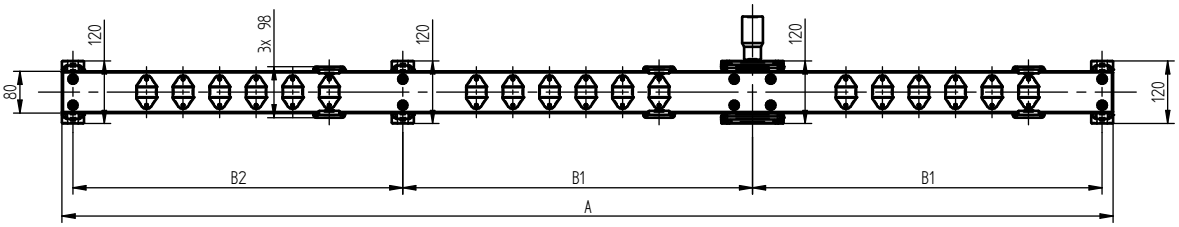
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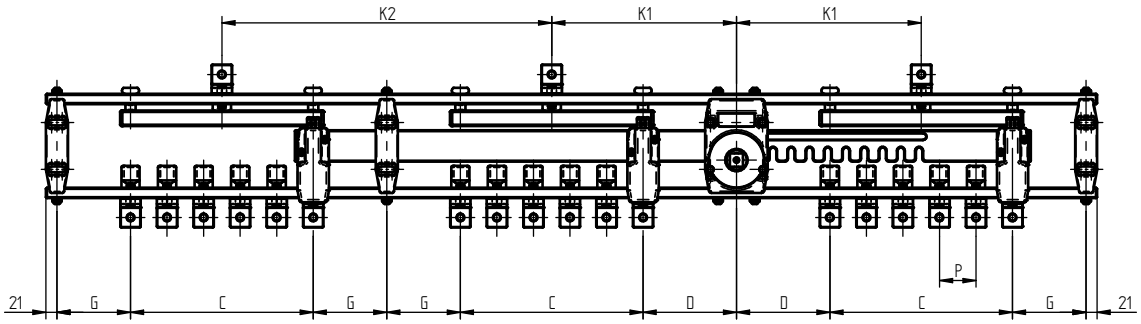
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Stand.	25.06.2026	CRESTANIN			

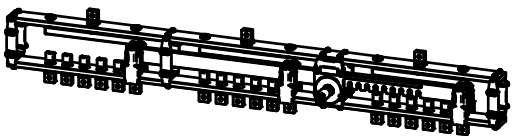
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV-
- for linear connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958300E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
52	4	2758	918	880	420	268	230	478	880	140
	5	2698	898	860	400	268	230	468	860	100
	6	2548	848	810	350	268	230	443	810	70
	6	2998	998	960	500	268	230	518	960	100
	7	2758	918	880	420	268	230	478	880	70
	8	2968	988	950	490	268	230	513	950	70

U_m (kV)	N° Positions	Dimensions (mm)								
		A	B1	B2	C	D	G	K1	K2	P
73	6	3050	1015,5	977	350	352	313,5	527	977	70

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Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

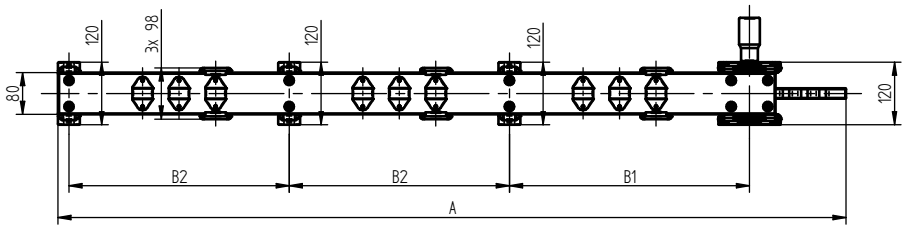
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 52 kV, 73 kV-
- for linear connection-

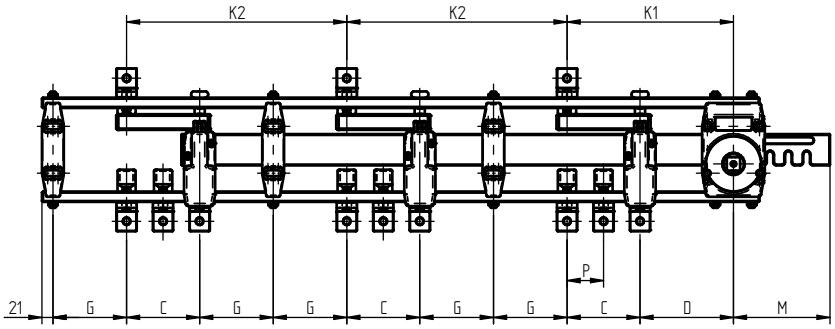
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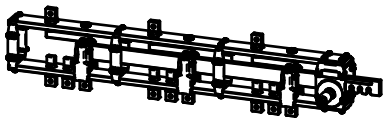
MATERIAL NUMBER 101958330E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
26	2	1230	390	352	70	179	141	115	249	352	70
	2	1365	420	382	100	179	141	160	279	382	100
	2	1510	460	422	140	179	141	185	319	422	140
	3	1510	460	422	140	179	141	185	319	422	70
	3	1765	520	482	200	179	141	260	379	482	100
	3	2070	600	562	280	179	141	325	459	562	140
	4	1790	530	492	210	179	141	255	389	492	70
	4	2165	620	582	300	179	141	360	479	582	100
	5	2070	600	562	280	179	141	325	459	562	70

U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
36	2	1425,5	455,5	417	70	212	173,5	115	282	417	70
	2	1560,5	485,5	447	100	212	173,5	160	312	447	100
	2	1705,5	525,5	487	140	212	173,5	185	352	487	140
	3	1705,5	525,5	487	140	212	173,5	185	352	487	70
	3	1960,5	585,5	547	200	212	173,5	260	412	547	100
	3	2265,5	665,5	627	280	212	173,5	325	492	627	140
	4	1985,5	595,5	557	210	212	173,5	255	422	557	70
	4	2360,5	685,5	647	300	212	173,5	360	512	647	100
	5	2265,5	665,5	627	280	212	173,5	325	492	627	70

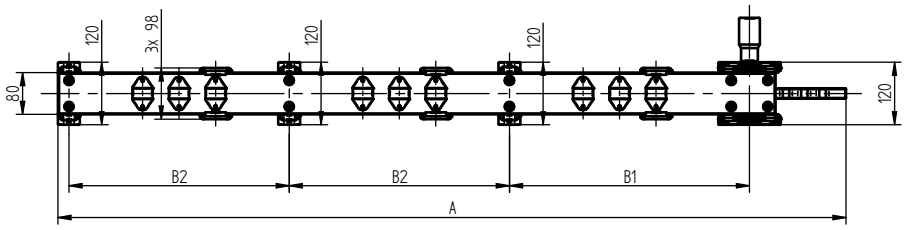
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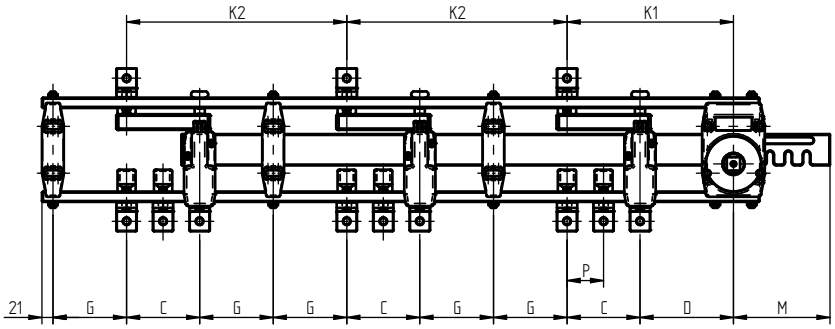
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Dftr.	16.06.2026	CRESTANIN	SED 1277714476 000 00	Scale	1:10
Chkd.	22.06.2026	MONDINN	Change no.	1143366	
Stand.	25.06.2026	CRESTANIN			

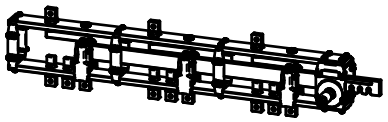
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV-
- for linear connection-

SERIAL NUMBER –
MATERIAL NUMBER 101958340E
SHEET 1 / 1
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U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
52	2	1764	568	530	70	268	230	115	338	530	70
	2	1899	598	560	100	268	230	160	368	560	100
	2	2044	638	600	140	268	230	185	408	600	140
	3	2044	638	600	140	268	230	185	408	600	70
	3	2299	698	660	200	268	230	260	468	660	100
	3	2604	778	740	280	268	230	325	548	740	140
	4	2324	708	670	210	268	230	255	478	670	70
	4	2699	798	760	300	268	230	360	568	760	100
	5	2604	778	740	280	268	230	325	548	740	70

U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
73	2	2265,5	735,5	697	70	352	313,5	115	422	697	70
	2	2400,5	765,5	727	100	352	313,5	160	452	727	100
	2	2545,5	805,5	767	140	352	313,5	185	492	767	140
	3	2545,5	805,5	767	140	352	313,5	185	492	767	70
	3	2800,5	865,5	827	200	352	313,5	260	552	827	100
	3	3105,5	945,5	907	280	352	313,5	325	632	907	140
	4	2825,5	875,5	837	210	352	313,5	255	562	837	70
	4	3200,5	965,5	927	300	352	313,5	360	652	927	100
	5	3105,5	945,5	907	280	352	313,5	325	632	907	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12980878 000 00	Scale	1:10
Chkd.	22.06.2026	MONDINN	Change no.	1143366	
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

MR

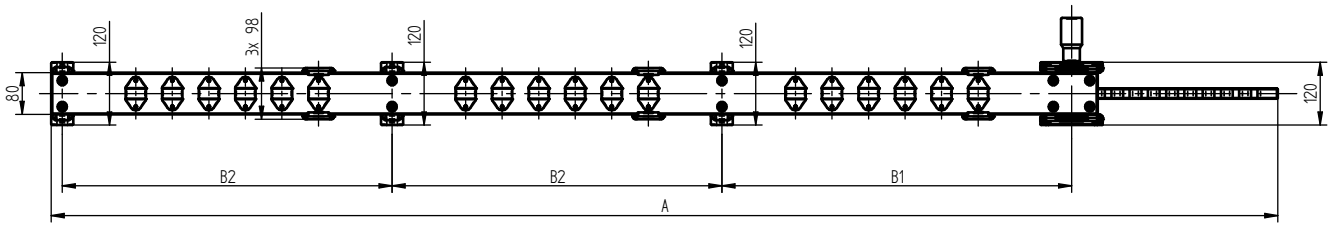
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 52 kV, 73 kV-
- for linear connection-

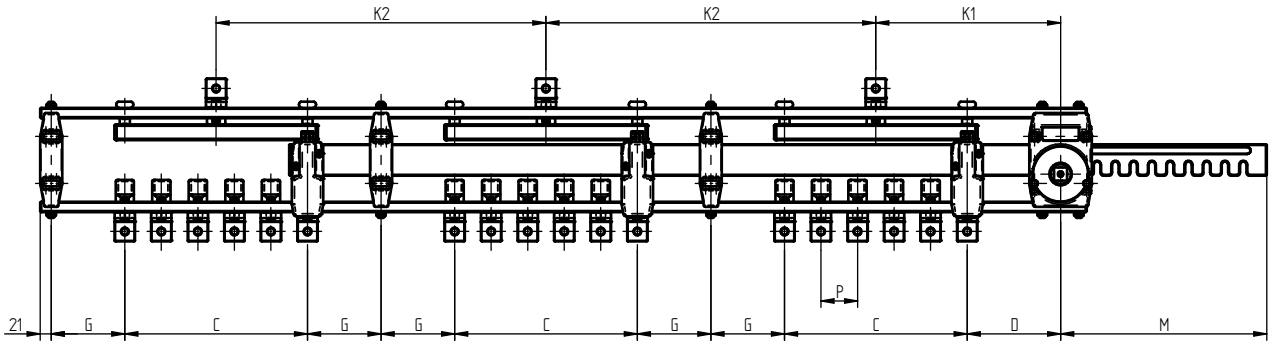
SERIAL NUMBER –

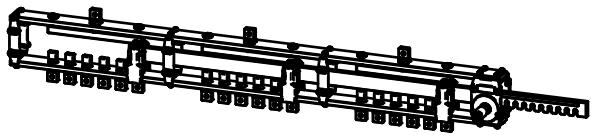
MATERIAL NUMBER 101958350E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
26	4	2630	740	702	420	179	141	465	389	702	140
	5	2565	720	682	400	179	141	460	379	682	100
	5	3190	880	842	560	179	141	605	459	842	140
	6	2350	670	632	350	179	141	395	354	632	70
	6	2965	820	782	500	179	141	560	429	782	100
	7	2630	740	702	420	179	141	465	389	702	70
	7	3365	920	882	600	179	141	660	479	882	100
	8	2910	810	772	490	179	141	535	424	772	70
	9	3190	880	842	560	179	141	605	459	842	70
	10	3470	950	912	630	179	141	675	494	912	70

U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
36	4	2825,5	805,5	767	420	212	173,5	465	422	767	140
	5	2760,5	785,5	747	400	212	173,5	460	412	747	100
	5	3385,5	945,5	907	560	212	173,5	605	492	907	140
	6	2545,5	735,5	697	350	212	173,5	395	387	697	70
	6	3160,5	885,5	847	500	212	173,5	560	462	847	100
	7	2825,5	805,5	767	420	212	173,5	465	422	767	70
	7	3560,5	985,5	947	600	212	173,5	660	512	947	100
	8	3105,5	875,5	837	490	212	173,5	535	457	837	70
	9	3385,5	945,5	907	560	212	173,5	605	492	907	70
	10	3665,5	1015,5	977	630	212	173,5	675	527	977	70

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	Date	Name	Document no.		Projection method
Dftr.	22.06.2026	CRESTANIN	SED 127758d3 000 00	Scale 1:10	
Chkd.	22.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

MR

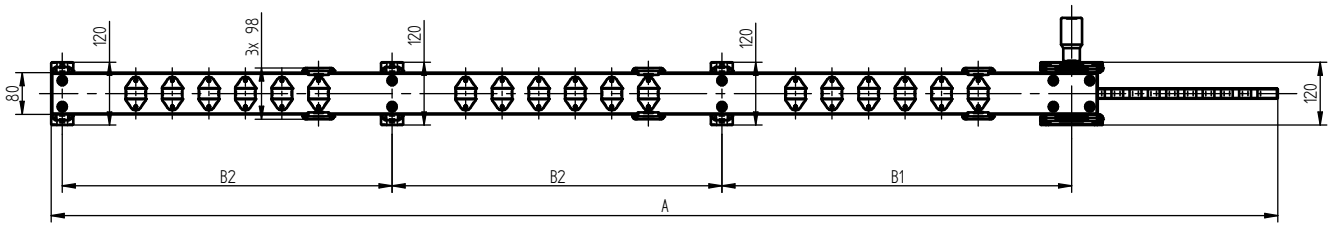
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV-
- for linear connection-

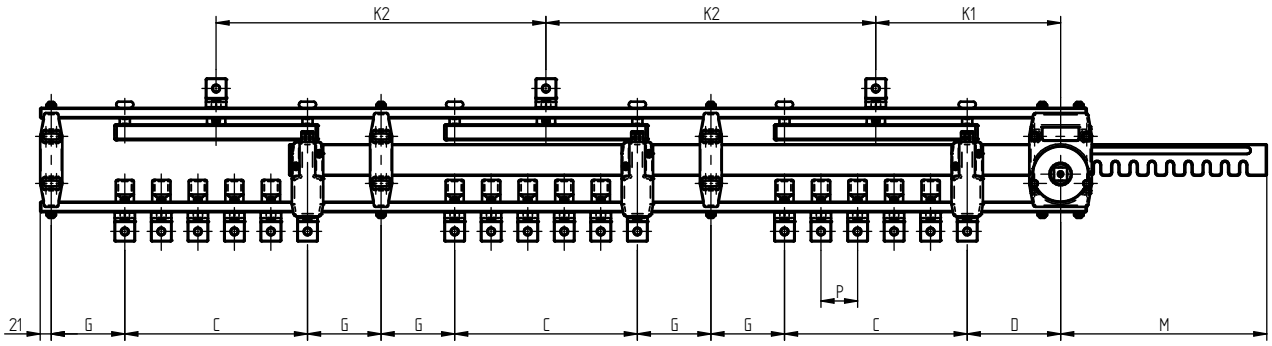
SERIAL NUMBER –

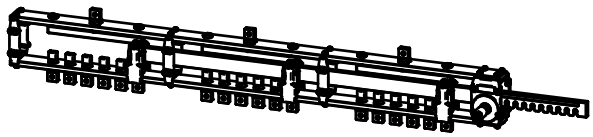
MATERIAL NUMBER 101958360E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
52	4	3164	918	880	420	268	230	465	478	880	140
	5	3099	898	860	400	268	230	460	468	860	100
	6	2884	848	810	350	268	230	395	443	810	70
	6	3499	998	960	500	268	230	560	518	960	100
	7	3164	918	880	420	268	230	465	478	880	70
	8	3444	988	950	490	268	230	535	513	950	70

U_m (kV)	N° Positions	Dimensions (mm)									
		A	B1	B2	C	D	G	M	K1	K2	P
73	6	3385,5	1015,5	977	350	352	313,5	395	527	977	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12981504 000 00	Scale 1:10	
Chkd.	22.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

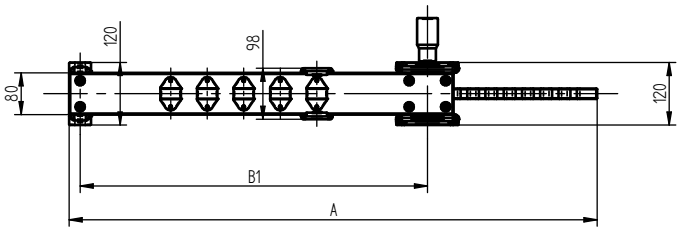
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 52 kV, 73 kV-
- for linear connection-

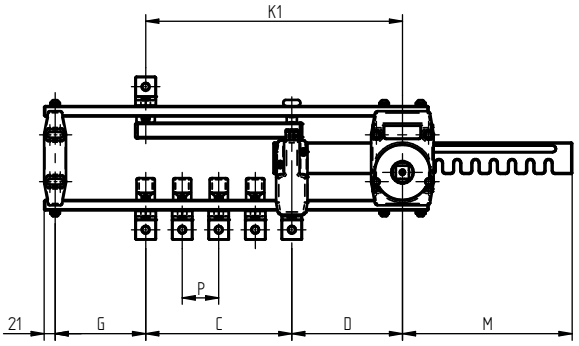
SERIAL NUMBER –

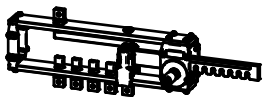
MATERIAL NUMBER 101958370E

SHEET 1 / 1

A3







Voltage (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
26	2	526	390	70	179	141	115	249	70
	2	601	420	100	179	141	160	279	100
	2	666	460	140	179	141	185	319	140
	3	666	460	140	179	141	185	319	70
	3	801	520	200	179	141	260	379	100
	3	946	600	280	179	141	325	459	140
	4	806	530	210	179	141	255	389	70
	4	1001	620	300	179	141	360	479	100
	5	946	600	280	179	141	325	459	70

Voltage (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
36	2	591,5	455,5	70	212	173,5	115	282	70
	2	666,5	485,5	100	212	173,5	160	312	100
	2	731,5	525,5	140	212	173,5	185	352	140
	3	731,5	525,5	140	212	173,5	185	352	70
	3	866,5	585,5	200	212	173,5	260	412	100
	3	1011,5	665,5	280	212	173,5	325	492	140
	4	871,5	595,5	210	212	173,5	255	422	70
	4	1066,5	685,5	300	212	173,5	360	512	100
	5	1011,5	665,5	280	212	173,5	325	492	70

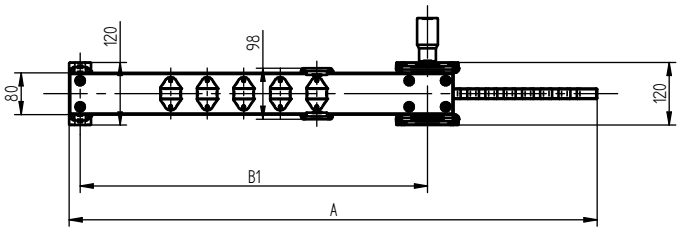
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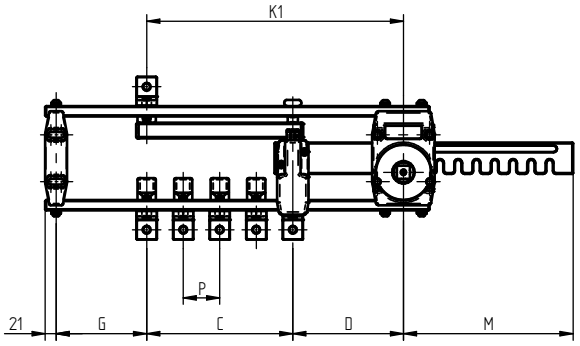
	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12830354 000 00	Scale 1:10	
Chkd.	22.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

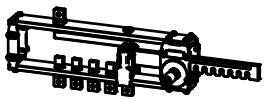
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 26 kV, 36 kV-
- for linear connection-

SERIAL NUMBER –
MATERIAL NUMBER 101958380E
SHEET 1 / 1
A3







Voltage (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
52	2	704	568	70	268	230	115	338	70
	2	779	598	100	268	230	160	368	100
	2	844	638	140	268	230	185	408	140
	3	844	638	140	268	230	185	408	70
	3	979	698	200	268	230	260	468	100
	3	1124	778	280	268	230	325	548	140
	4	984	708	210	268	230	255	478	70
	4	1179	798	300	268	230	360	568	100
	5	1124	778	280	268	230	325	548	70

Voltage (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
73	2	871,5	735,5	70	352	313,5	115	422	70
	2	946,5	765,5	100	352	313,5	160	452	100
	2	1011,5	805,5	140	352	313,5	185	492	140
	3	1011,5	805,5	140	352	313,5	185	492	70
	3	1146,5	865,5	200	352	313,5	260	552	100
	3	1291,5	945,5	280	352	313,5	325	632	140
	4	1151,5	875,5	210	352	313,5	255	562	70
	4	1346,5	965,5	300	352	313,5	360	652	100
	5	1291,5	945,5	280	352	313,5	325	632	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12981617 000 00	Scale 1:10	
Chkd.	22.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

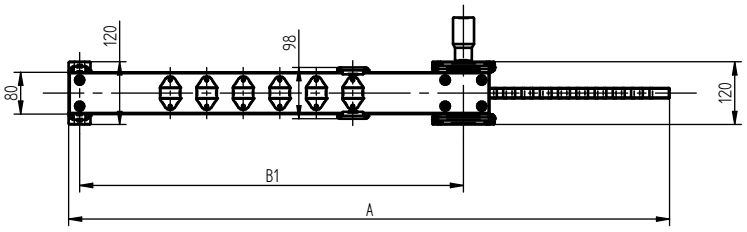
DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 52 kV, 73 kV
- for linear connection-

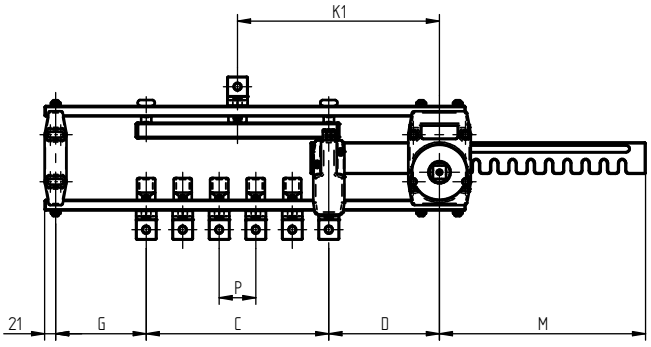
SERIAL NUMBER –

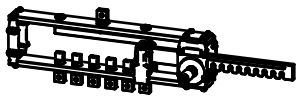
MATERIAL NUMBER 101958390E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
26	4	1226	740	420	179	141	465	389	140
	5	1201	720	400	179	141	460	379	100
	5	1506	880	560	179	141	605	459	140
	6	1086	670	350	179	141	395	354	70
	6	1401	820	500	179	141	560	429	100
	7	1226	740	420	179	141	465	389	70
	7	1601	920	600	179	141	660	479	100
	8	1366	810	490	179	141	535	424	70
	9	1506	880	560	179	141	605	459	70
	10	1646	950	630	179	141	675	494	70

U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
36	4	1291,5	805,5	420	212	173,5	465	422	140
	5	1266,5	785,5	400	212	173,5	460	412	100
	5	1571,5	945,5	560	212	173,5	605	492	140
	6	1151,5	735,5	350	212	173,5	395	387	70
	6	1466,5	885,5	500	212	173,5	560	462	100
	6	1851,5	1085,5	700	212	173,5	745	562	140
	7	1291,5	805,5	420	212	173,5	465	422	70
	7	1666,5	985,5	600	212	173,5	660	512	100
	8	1431,5	875,5	490	212	173,5	535	457	70
	8	1866,5	1085,5	700	212	173,5	760	562	100
	9	1571,5	945,5	560	212	173,5	605	492	70
	10	1711,5	1015,5	630	212	173,5	675	527	70
	11	1851,5	1085,5	700	212	173,5	745	562	70

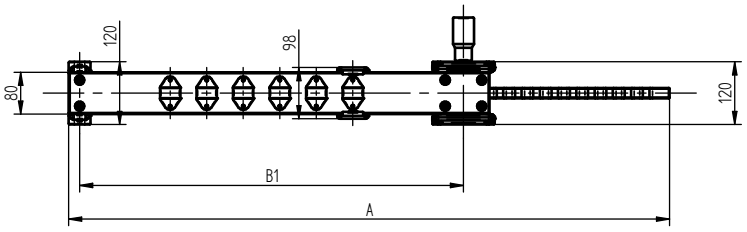
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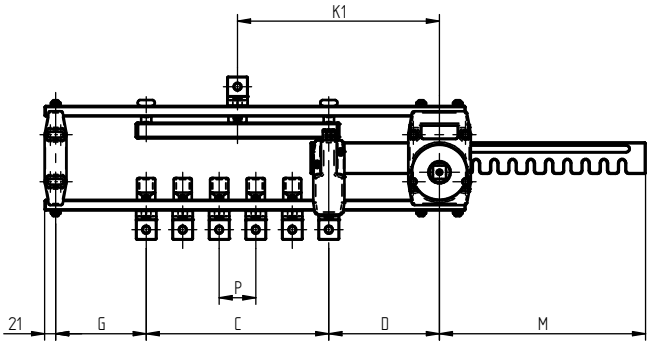
	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 128620772 000 00	Scale 1:10	
Chkd.	22.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

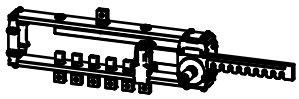
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 26 kV, 36 kV-
- for linear connection-

SERIAL NUMBER –
MATERIAL NUMBER 101958400E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
52	4	1404	918	420	268	230	465	478	140
	5	1379	898	400	268	230	460	468	100
	5	1684	1058	560	268	230	605	548	140
	6	1264	848	350	268	230	395	443	70
	6	1579	998	500	268	230	560	518	100
	6	1964	1198	700	268	230	745	618	140
	7	1404	918	420	268	230	465	478	70
	7	1779	1098	600	268	230	660	568	100
	7	2244	1338	840	268	230	885	688	140
	8	1544	988	490	268	230	535	513	70
	8	1979	1198	700	268	230	760	618	100
	9	1684	1058	560	268	230	605	548	70
	9	2179	1298	800	268	230	860	668	100
	10	1824	1128	630	268	230	675	583	70
	10	2379	1398	900	268	230	960	718	100
	11	1964	1198	700	268	230	745	618	70
	12	2104	1268	770	268	230	815	653	70
	13	2244	1338	840	268	230	885	688	70
	14	2384	1408	910	268	230	955	723	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12982229 000 00	Scale	1:10
Chkd.	22.06.2026	MONDINN	Change no.	1143366	
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

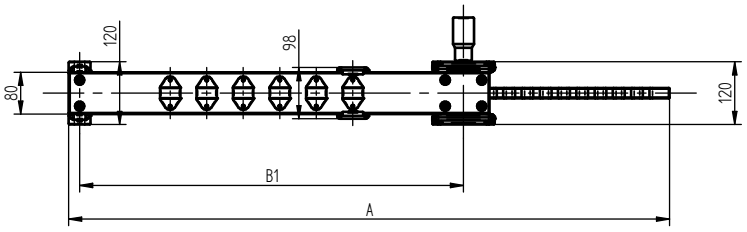
DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 52 kV-
- for linear connection-

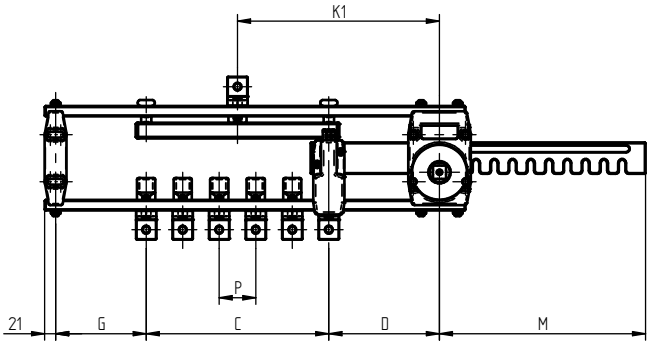
SERIAL NUMBER –

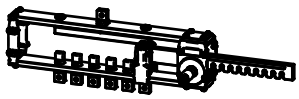
MATERIAL NUMBER 101958410E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)							
		A	B1	C	D	G	M	K1	P
73	4	1571,5	1085,5	420	352	313,5	465	562	140
	5	1546,5	1065,5	400	352	313,5	460	552	100
	5	1851,5	1225,5	560	352	313,5	605	632	140
	6	1431,5	1015,5	350	352	313,5	395	527	70
	6	1746,5	1165,5	500	352	313,5	560	602	100
	6	2131,5	1365,5	700	352	313,5	745	702	140
	7	1571,5	1085,5	420	352	313,5	465	562	70
	7	1946,5	1265,5	600	352	313,5	660	652	100
	7	2411,5	1505,5	840	352	313,5	885	772	140
	8	1711,5	1155,5	490	352	313,5	535	597	70
	8	2146,5	1365,5	700	352	313,5	760	702	100
	8	2691,5	1645,5	980	352	313,5	1025	842	140
	9	1851,5	1225,5	560	352	313,5	605	632	70
	9	2346,5	1465,5	800	352	313,5	860	752	100
	9	2971,5	1785,5	1120	352	313,5	1165	912	140
	10	1991,5	1295,5	630	352	313,5	675	667	70
	10	2546,5	1565,5	900	352	313,5	960	802	100
	10	3251,5	1925,5	1260	352	313,5	1305	982	140
	11	2131,5	1365,5	700	352	313,5	745	702	70
	11	2746,5	1665,5	1000	352	313,5	1060	852	100
	12	2271,5	1435,5	770	352	313,5	815	737	70
	12	2946,5	1765,5	1100	352	313,5	1160	902	100
	13	2411,5	1505,5	840	352	313,5	885	772	70
	13	3146,5	1865,5	1200	352	313,5	1260	952	100
	14	2551,5	1575,5	910	352	313,5	955	807	70
	15	2691,5	1645,5	980	352	313,5	1025	842	70

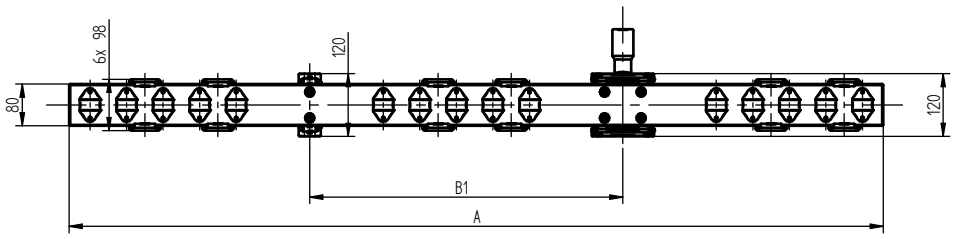
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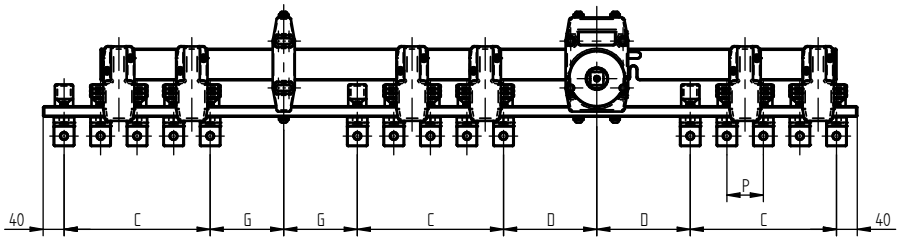
	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12982235 000 00		
Chkd.	22.06.2026	MONDINN	Change no.	Scale	
Stand.	26.06.2026	CRESTANIN	1143366	1:10	

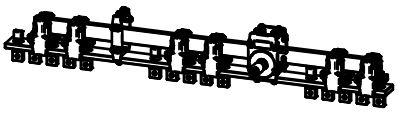
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
single phase, Um 73 kV-
- for linear connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958420E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)					
		A	B1	C	D	G	P
26	2	1560	600	280	179	141	70

U_m (kV)	N° Positions	Dimensions (mm)					
		A	B1	C	D	G	P
36	2	1691	665,5	280	212	173,5	70

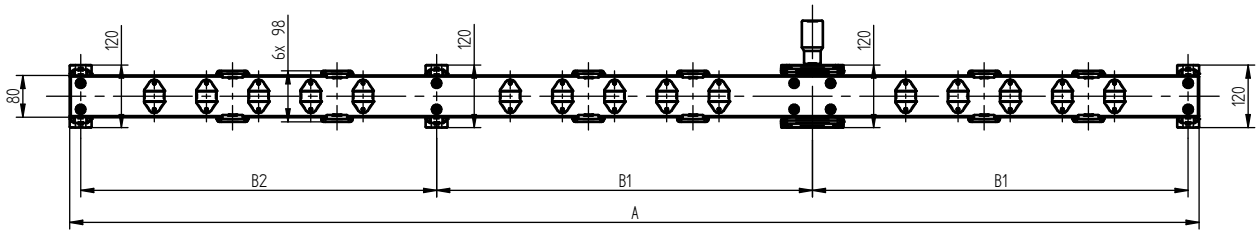
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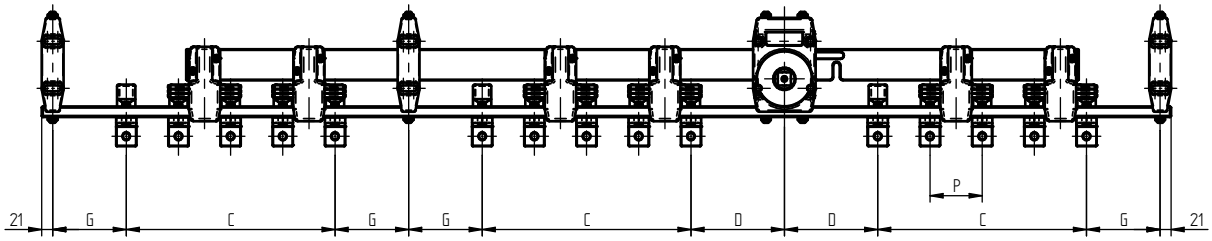
	Date	Name	Document no.		Projection method
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Chkd.	22.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:10	

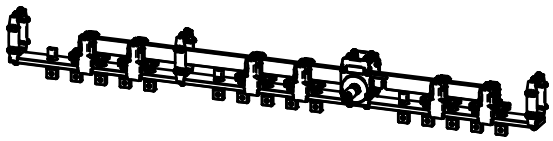
DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV-
- for series parallel connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958430E
SHEET 1 / 1
A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
26	2	2164	720	682	400	179	141	100
	2	2644	880	842	560	179	141	140

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
36	2	2360	785,5	747	400	212	173,5	100
	2	2840	945,5	907	560	212	173,5	140

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
52	2	2338	778	740	280	268	230	70
	2	2698	898	860	400	268	230	100

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	B2	C	D	G	P
73	2	2840	945,5	907	280	352	313,5	70

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12882359 000 00	Scale	1:10
Chkd.	22.06.2026	MONDINN	Change no.	1143366	
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

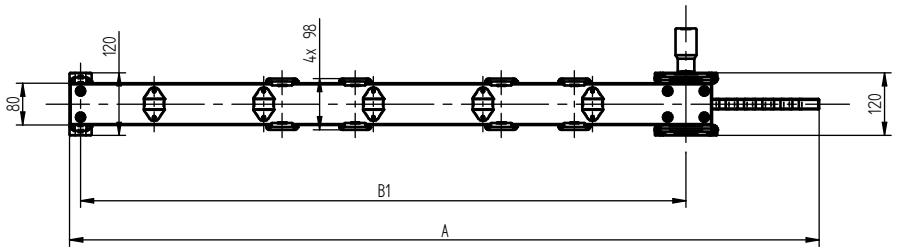
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Um 26 kV, 36 kV, 52 kV, 73 kV
- for series parallel connection-

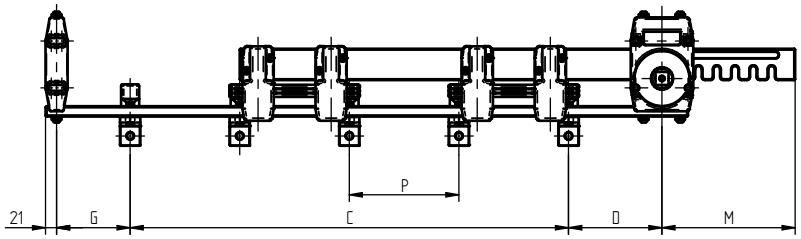
SERIAL NUMBER –

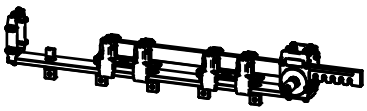
MATERIAL NUMBER 101958440E

SHEET 1/ 1

A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
26	2	736	600	280	179	141	115	70
	2	901	720	400	179	141	160	100
	2	1086	880	560	179	141	185	140
	2	1436	1160	840	179	141	255	210
	2	1786	1440	1120	179	141	325	280

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
36	2	801,5	665,5	280	212	173,5	115	70
	2	966,5	785,5	400	212	173,5	160	100
	2	1151,5	945,5	560	212	173,5	185	140
	2	1501,5	1225,5	840	212	173,5	255	210
	2	1851,5	1505,5	1120	212	173,5	325	280

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
52	2	914	778	280	268	230	115	70
	2	1079	898	400	268	230	160	100
	2	1264	1058	560	268	230	185	140
	2	1614	1338	840	268	230	255	210
	2	1964	1618	1120	268	230	325	280

U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
73	2	1081,5	945,5	280	352	313,5	115	70
	2	1246,5	1065,5	400	352	313,5	160	100
	2	1431,5	1225,5	560	352	313,5	185	140

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	Date	Name	Document no.		Projection method
Dftr.	25.08.2026	CRESTANIN	SED 12899565 000 01	Scale 1:10	
Chkd.	25.08.2026	MONDINN	Change no. 1147509		
Stand.	25.08.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

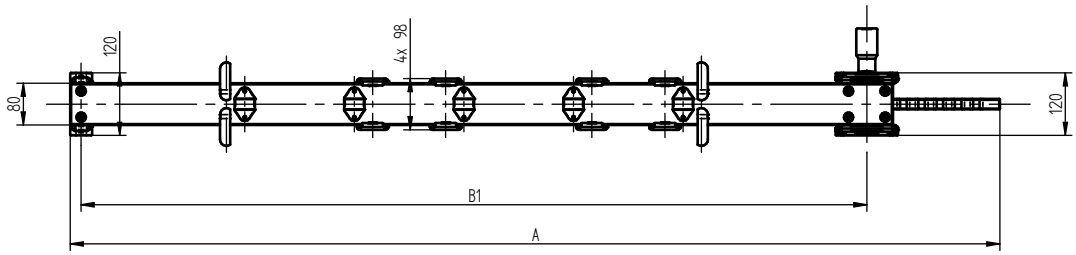
De-Energized Tap-Changer CAPT® 040+
Um 26 kV, 36 kV, 52 kV, 73 kV
- for series parallel connection-

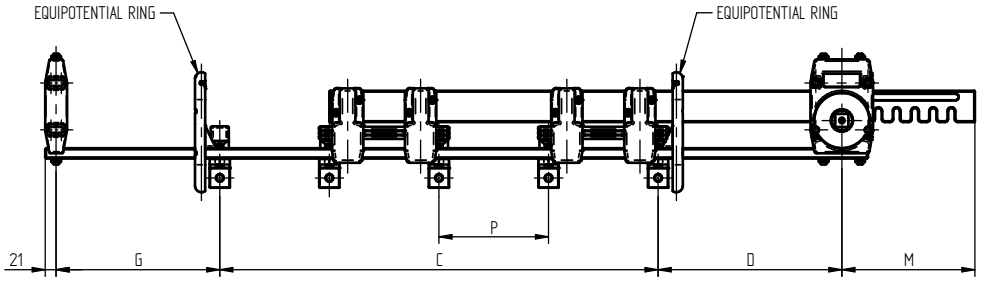
SERIAL NUMBER –

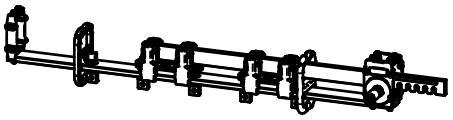
MATERIAL NUMBER 101958450E

SHEET 1 / 1

A3







U_m (kV)	N° Positions	Dimensions (mm)						
		A	B1	C	D	G	M	P
73	2	1781,5	1505,5	840	352	313,5	255	210
	2	2131,5	1785,5	1120	352	313,5	325	280

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	Date	Name	Document no.		
Dftr.	25.08.2026	CRESTANIN	SED 13159652 000 02		
Chkd.	25.08.2026	MONDINN	Change no.	Scale	1:10
Stand.	25.08.2026	CRESTANIN	1147509		

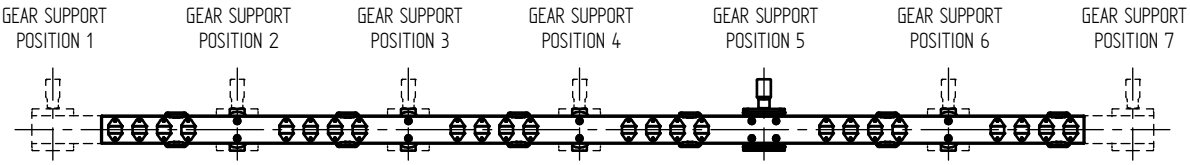
Projection method

DIMENSION IN mm EXCEPT AS NOTED

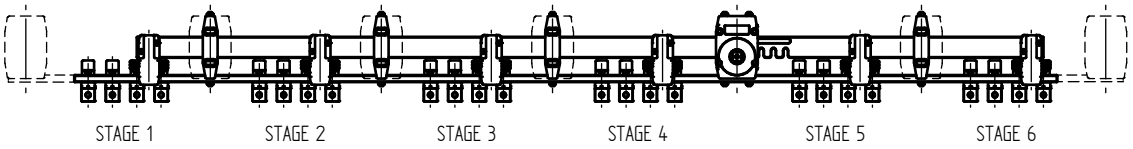
De-Energized Tap-Changer CAPT® 040+
Um 73 kV
- for series parallel connection-

SERIAL NUMBER
-
MATERIAL NUMBER 101958460E
SHEET 1/ 1
A3

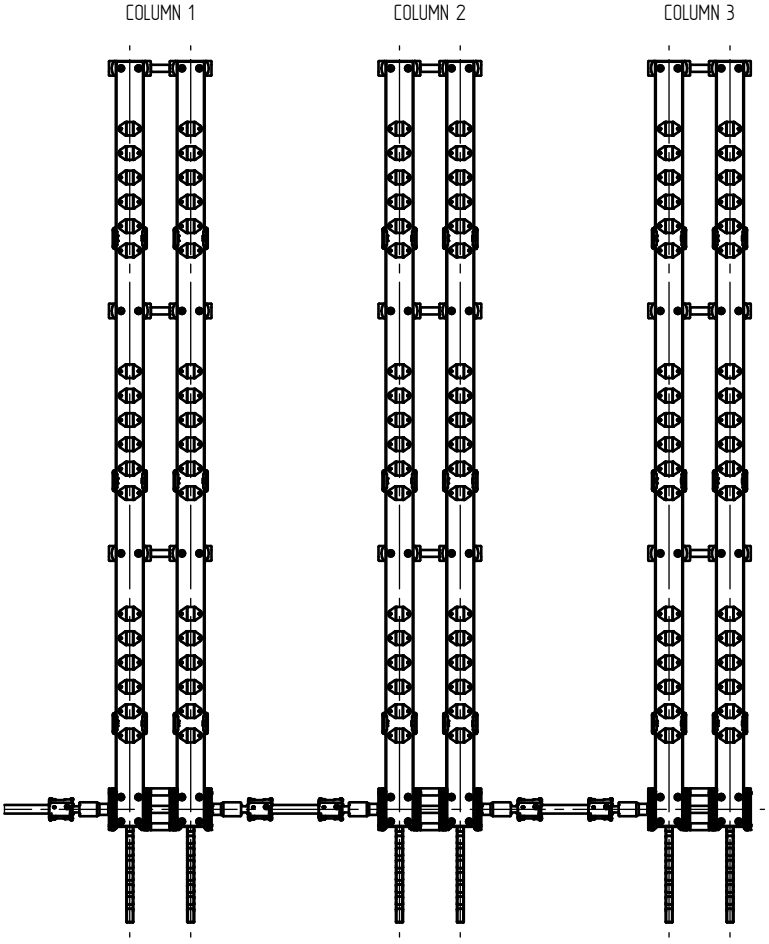
GEAR SUPPORT POSITIONS



NUMBER OF STAGES PER DECK



NUMBER OF COLUMNS



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	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13163982 000 00		
Chkd.	25.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:15	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Gear support position, Number of stages and columns

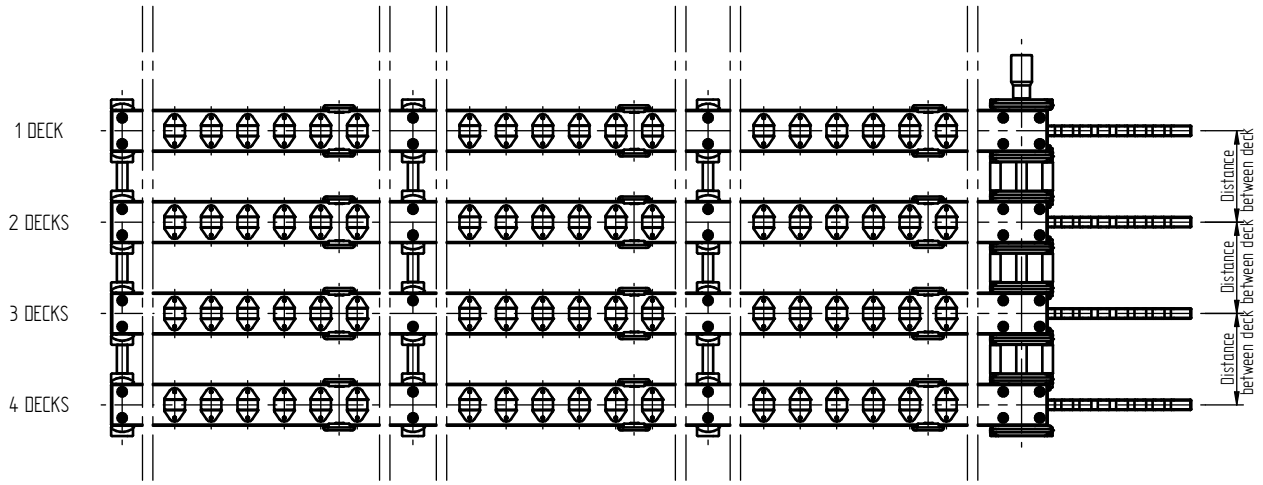
SERIAL NUMBER –

MATERIAL NUMBER 101958520E

SHEET 1 / 1

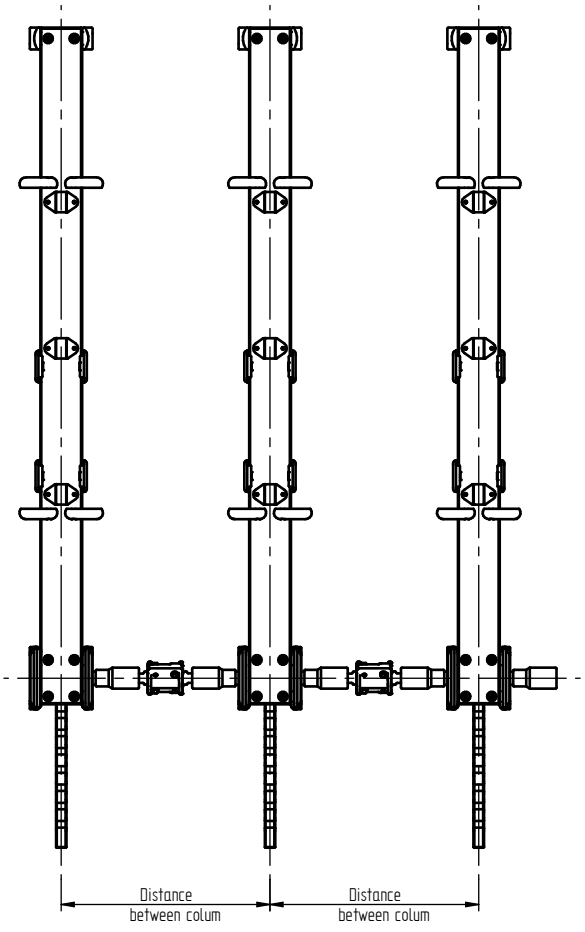
A3

DECKS



Distances between decks	
Um (kV)	Distance (mm)
26	120
36	175
52	200
73	For this Um, decks are not available

COLUMNS



Distances between columns	
Um (kV)	Distance (mm)
26	Minimun 300
36	Minimun 300
52	Minimun 300
73	Without equipotential rings 300
73	With equipotential rings 400

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	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13155718 000 00		
Chkd.	25.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:10	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Decks and columns

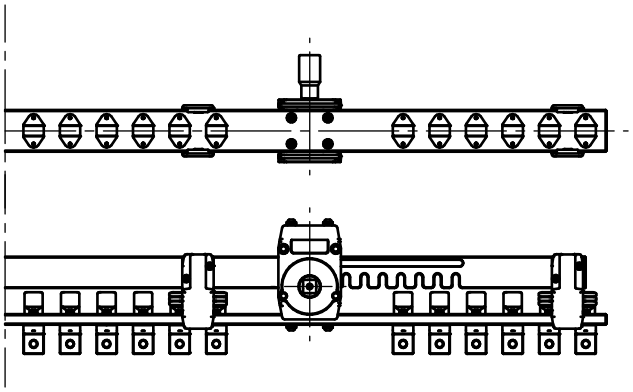
SERIAL NUMBER –

MATERIAL NUMBER 101958530E

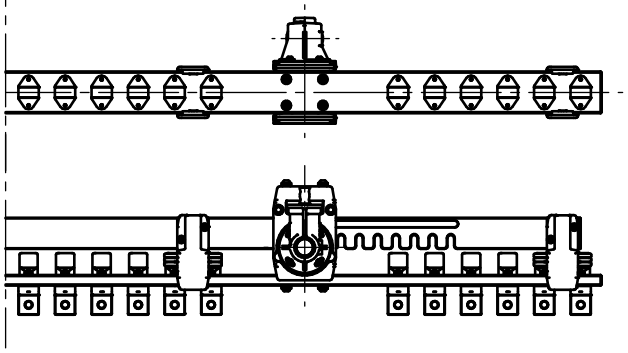
SHEET 1 / 1

A3

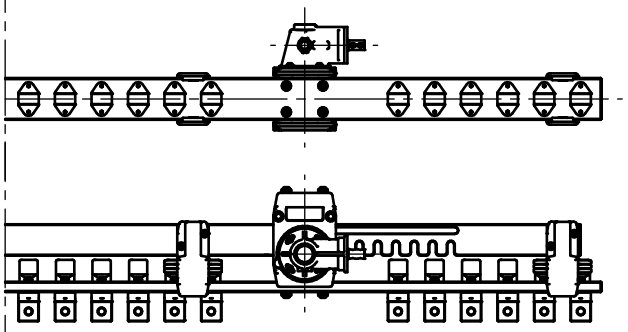
DIRECT SHAFT OUTPUT "A"



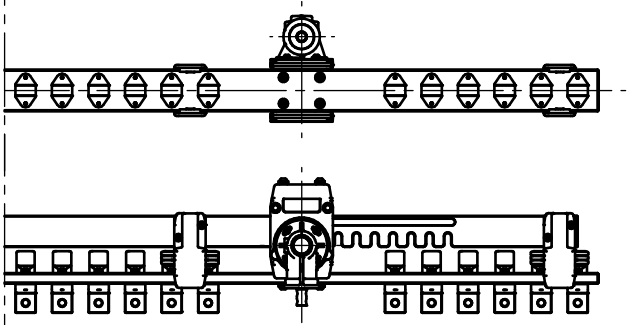
BEVEL GEAR AT 0° "B"



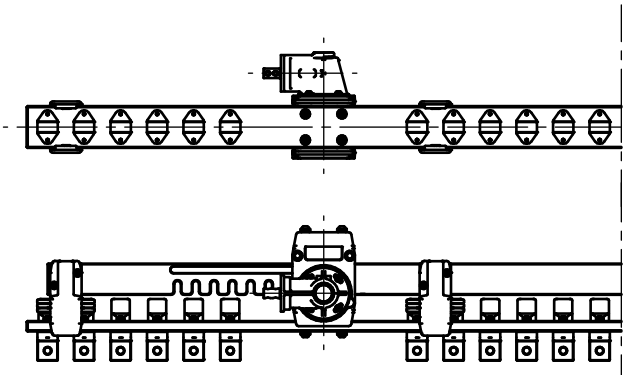
BEVEL GEAR AT 90° "C"



BEVEL GEAR AT 180° "D"



BEVEL GEAR AT 270° "E"



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	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13400980 000 00		
Chkd.	25.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:10	

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Shaft output

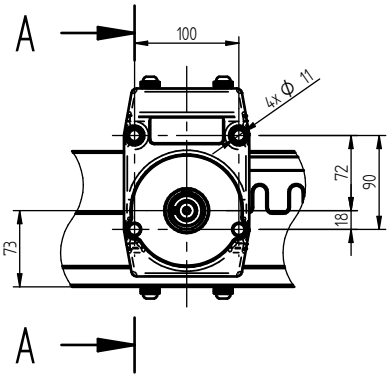
SERIAL NUMBER
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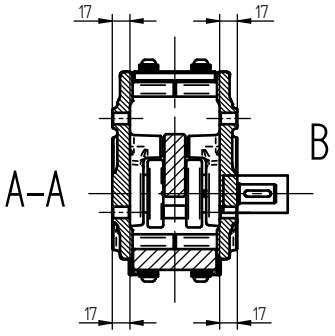
MATERIAL NUMBER
101973670E

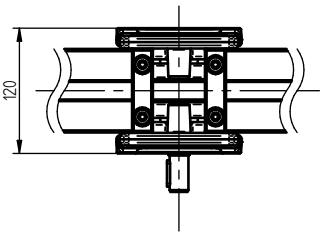
SHEET
1 / 1

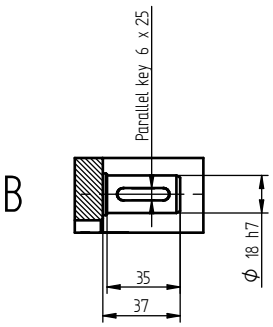
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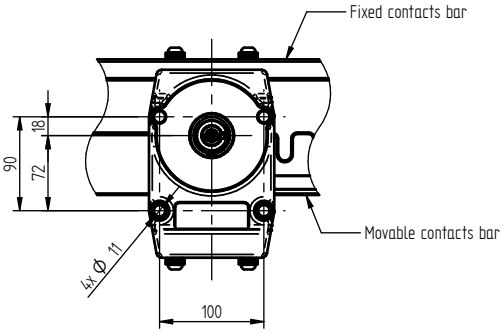
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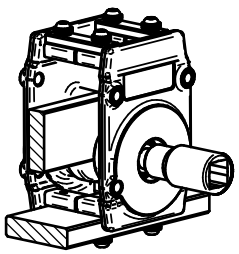












	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 12870346 000 00		
Chkd.	22.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:5	

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Bevel gear support

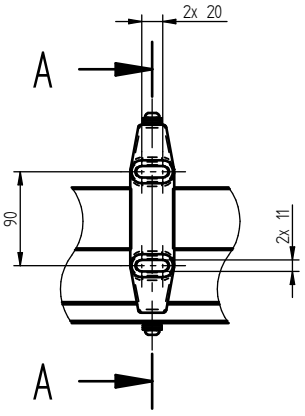
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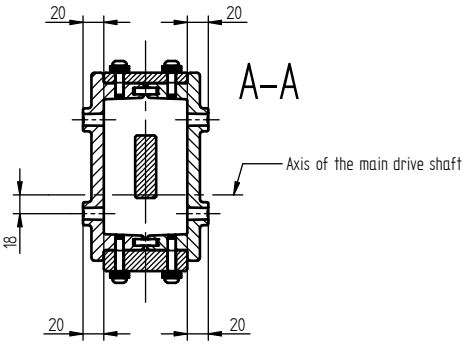
MATERIAL NUMBER
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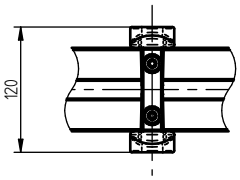
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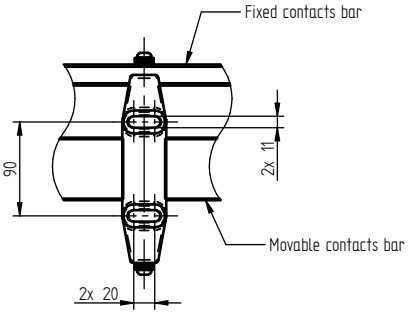
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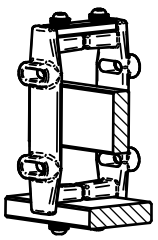
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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 128710772 000 00		
Chkd.	22.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:5	

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Intermediate support

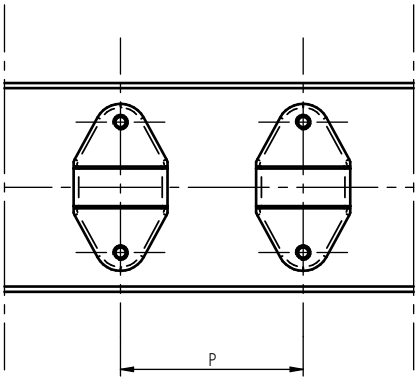
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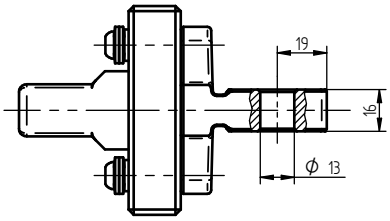
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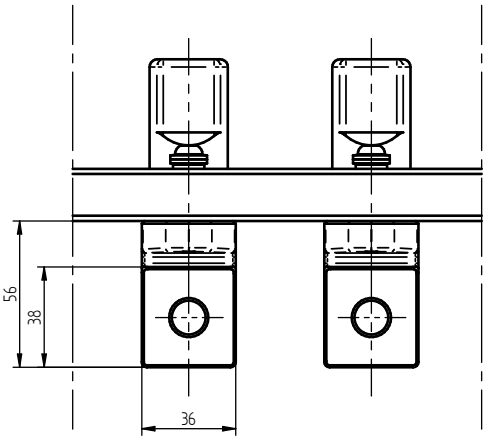
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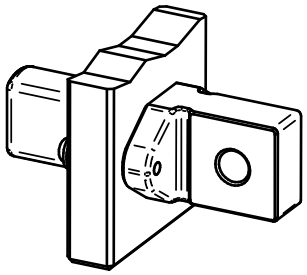
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FLAT FIXED CONTACTS
MAXIMUM CURRENT 1000 A

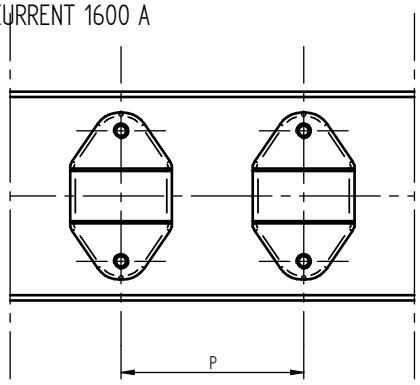


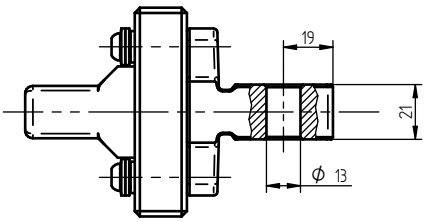


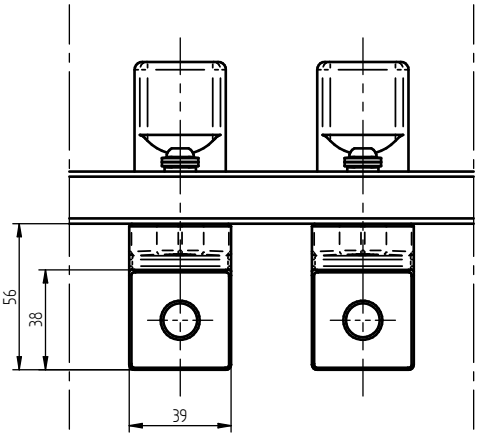


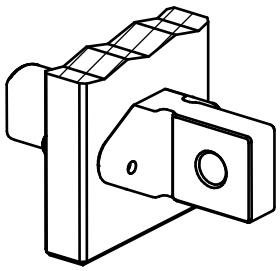


FLAT FIXED CONTACTS
MAXIMUM CURRENT 1600 A









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	Date	Name	Document no.		
Dftr.	16.06.2026	CRESTANIN	SED 12874995 000 00		
Chkd.	22.06.2026	MONDINN	Change no.	Scale	1:2
Stand.	25.06.2026	CRESTANIN	1143366		

Projection method

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Flat fixed contacts

SERIAL NUMBER
–

MATERIAL NUMBER
101958570E

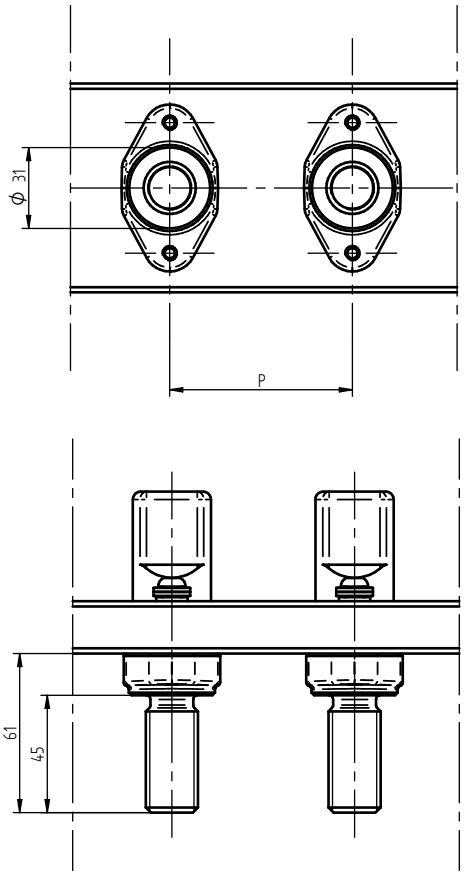
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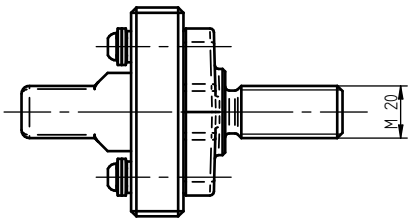
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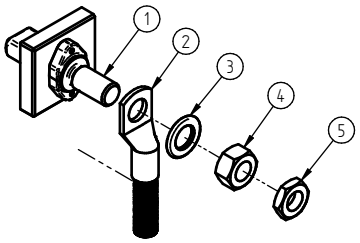
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THREADED FIXED CONTACTS

MAXIMUM CURRENT 1000 A



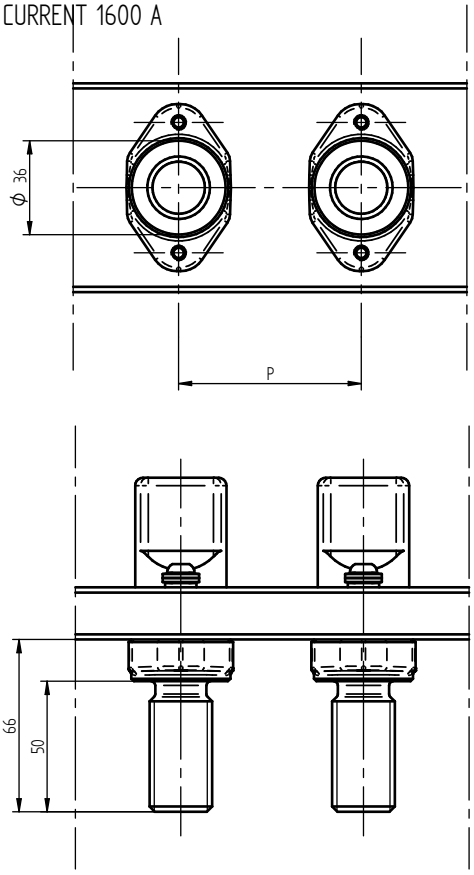


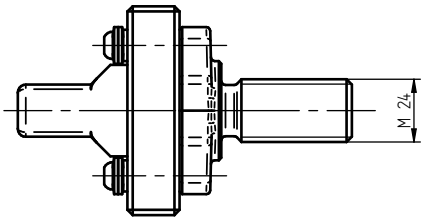


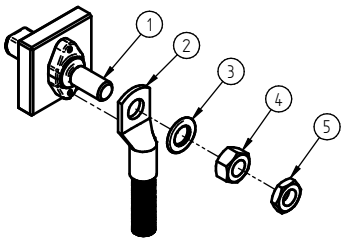
1 – THREADED CONTACT
2 – CABLE LUG (NOT PROVIDED)
3 – FLAT WASHER M20
4 – HEXAGONAL NUT M20 ISO 4032
5 – HEXAGONAL NUT M20 ISO 4035

THREADED FIXED CONTACTS

MAXIMUM CURRENT 1600 A







1 – THREADED CONTACT
2 – CABLE LUG (NOT PROVIDED)
3 – FLAT WASHER M24
4 – HEXAGONAL NUT M24 ISO 4032
5 – HEXAGONAL NUT M24 ISO 4035

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 12876519 000 00	Scale 1:2	
Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Threaded fixed contacts

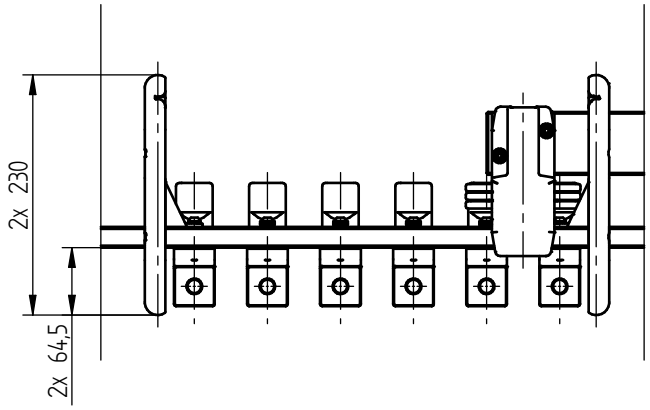
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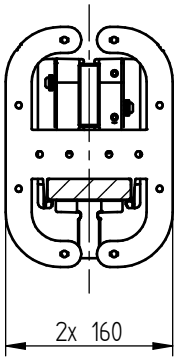
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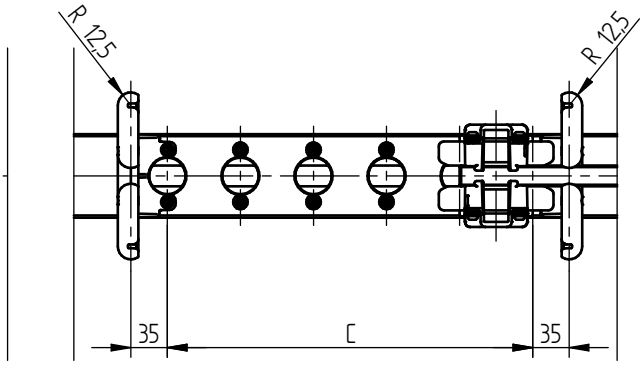
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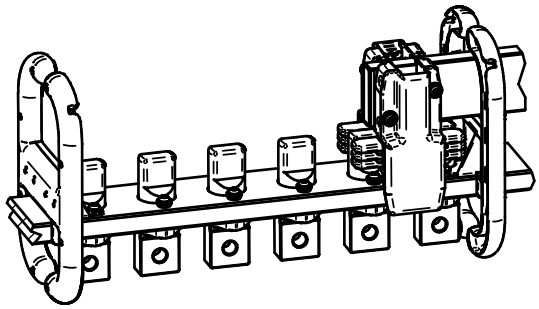
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EQUIPOTENTIAL RINGS

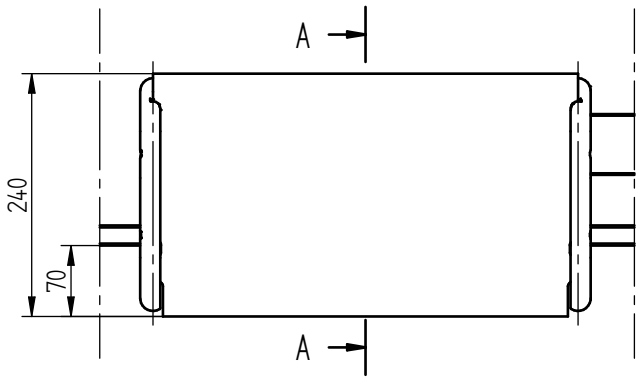


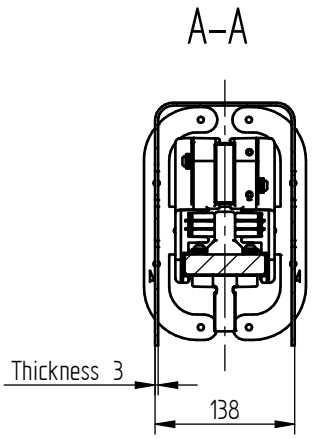


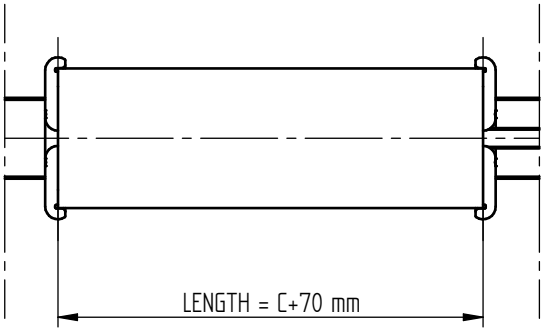


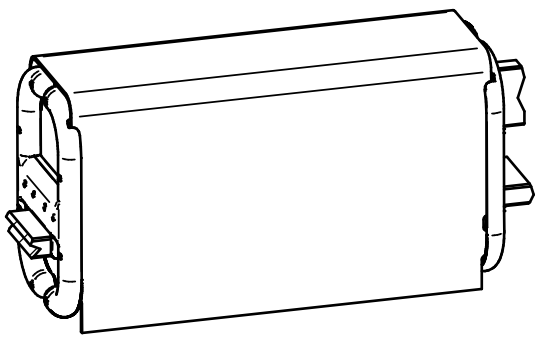


EQUIPOTENTIAL RINGS WITH PRESSBOARD SHIELD









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	Date	Name	Document no.		Projection method
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Chkd.	19.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:5	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Equipotential ring, pressboard shield

SERIAL NUMBER
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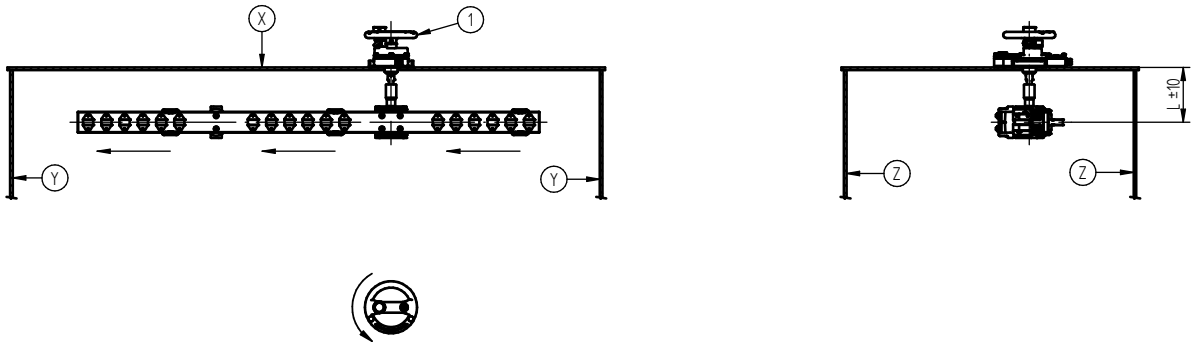
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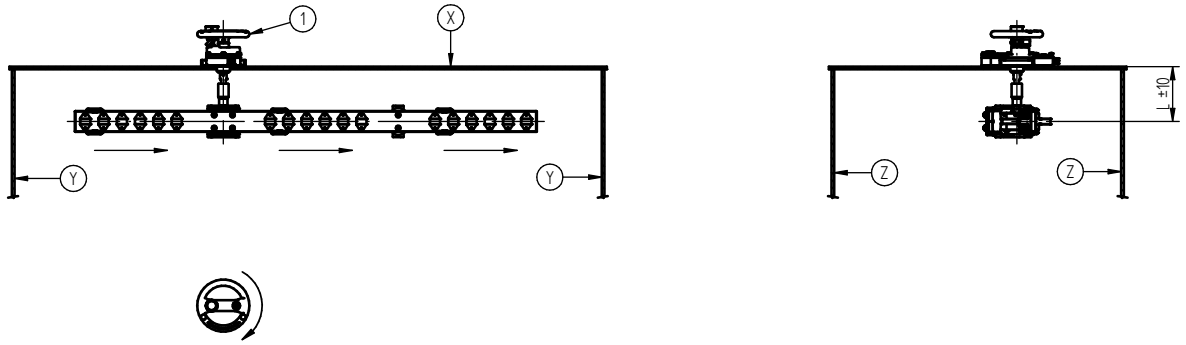
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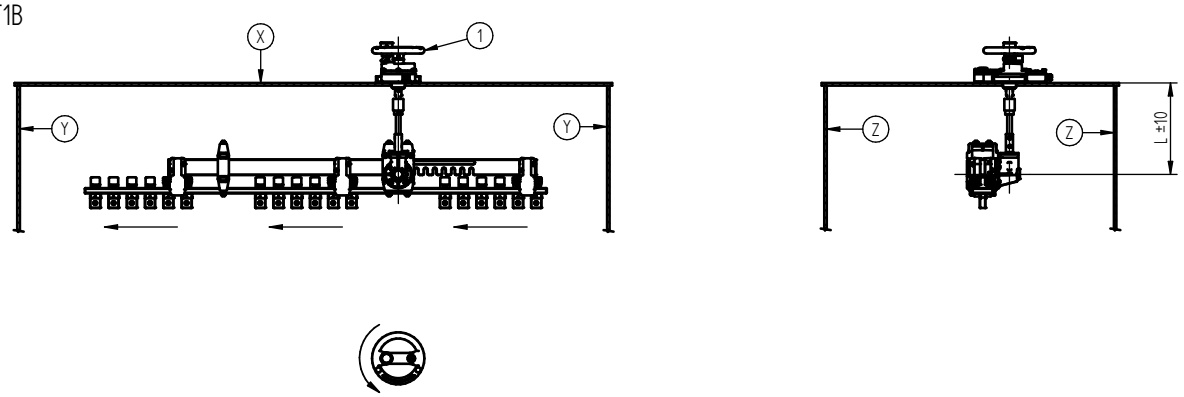
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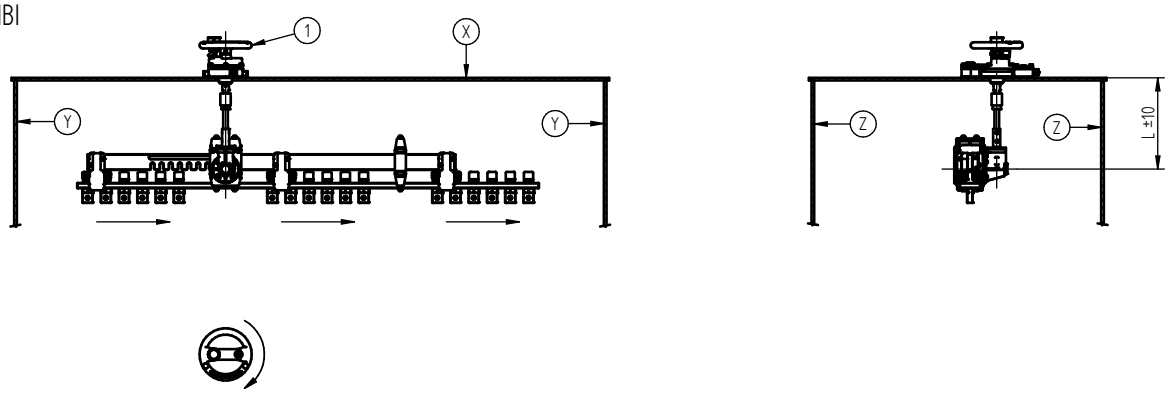
LAYOUT1AI



LAYOUT1B



LAYOUT1BI



(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON COVER
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 12991620 000 00	Scale	1:20
Chkd.	25.06.2026	MONDINN	Change no.		
Stand.	26.06.2026	CRESTANIN	1143366		

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer cover

SERIAL NUMBER
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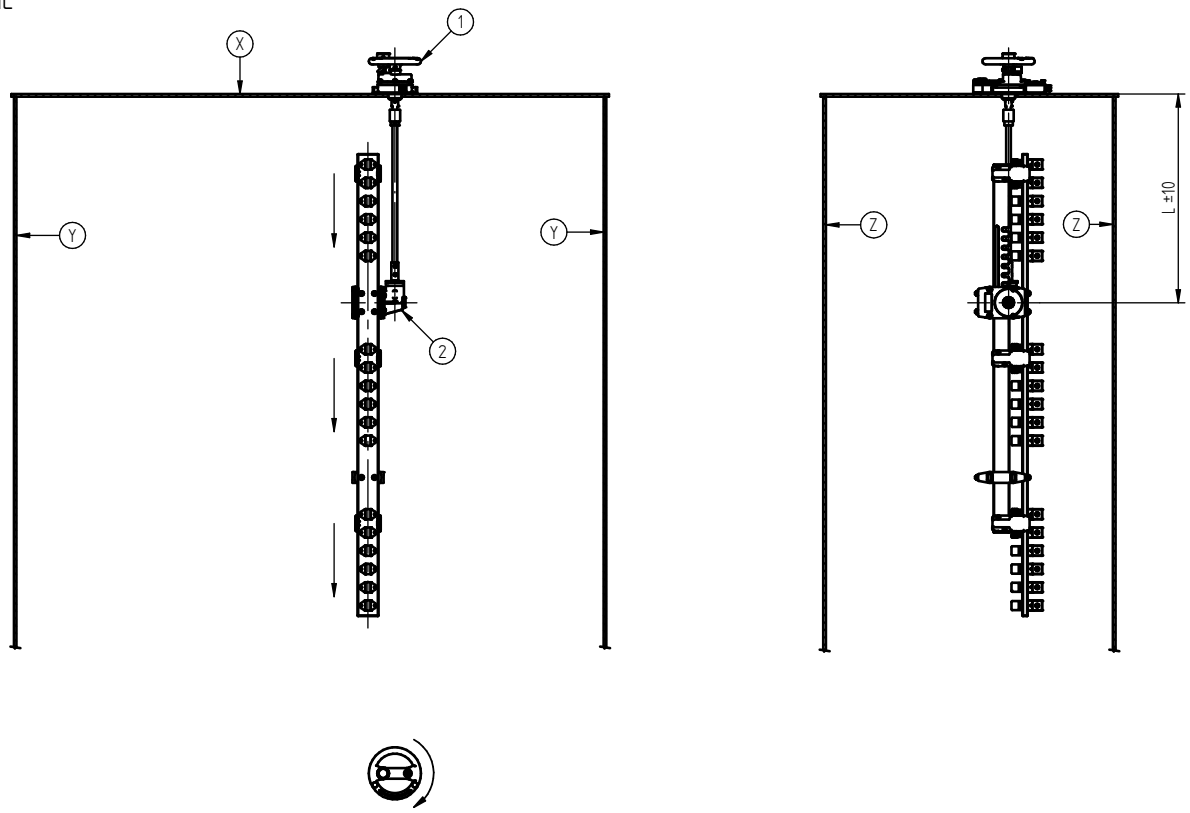
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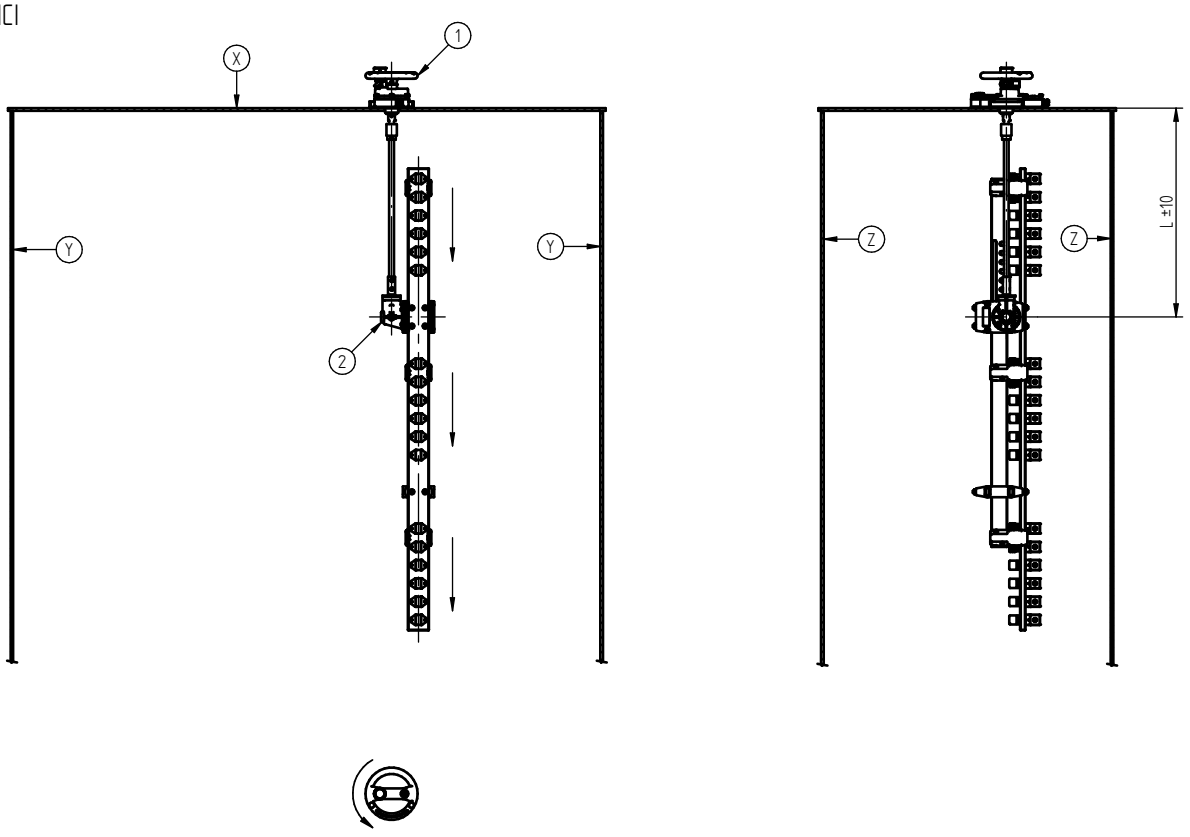
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LAYOUT1C



LAYOUT1CI



(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON COVER
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13143668 000 00		
Chkd.	25.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:20	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer cover

SERIAL NUMBER
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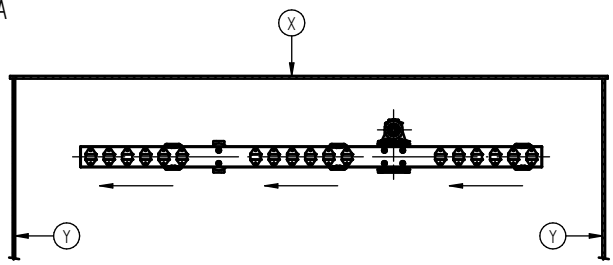
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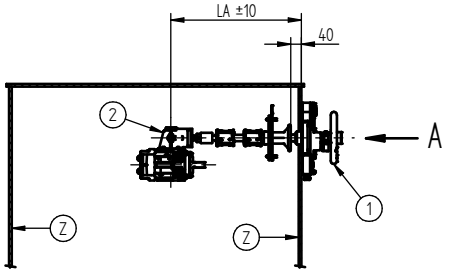
SHEET
1 / 1

A3

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LAYOUT2A

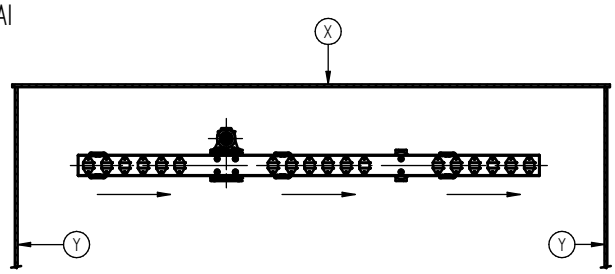


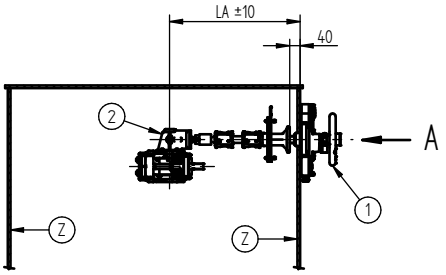




View A

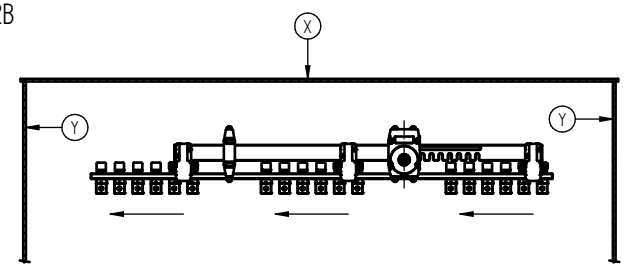
LAYOUT2AI

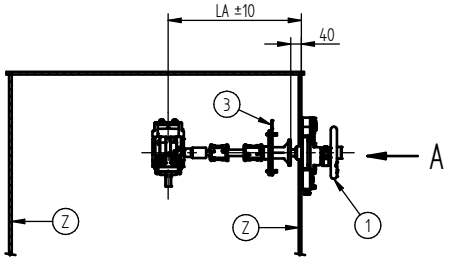




View A 

LAYOUT2B

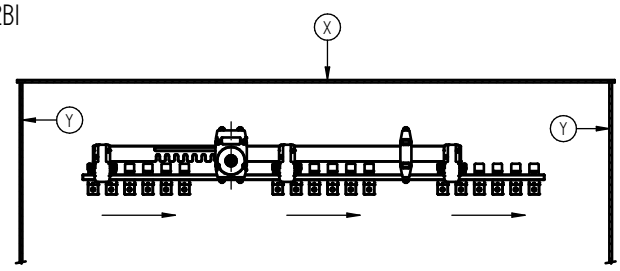


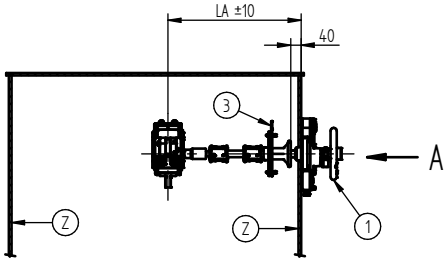




View A

LAYOUT2BI





View A 

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13046658 000 00	Scale 1:20	
Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER –

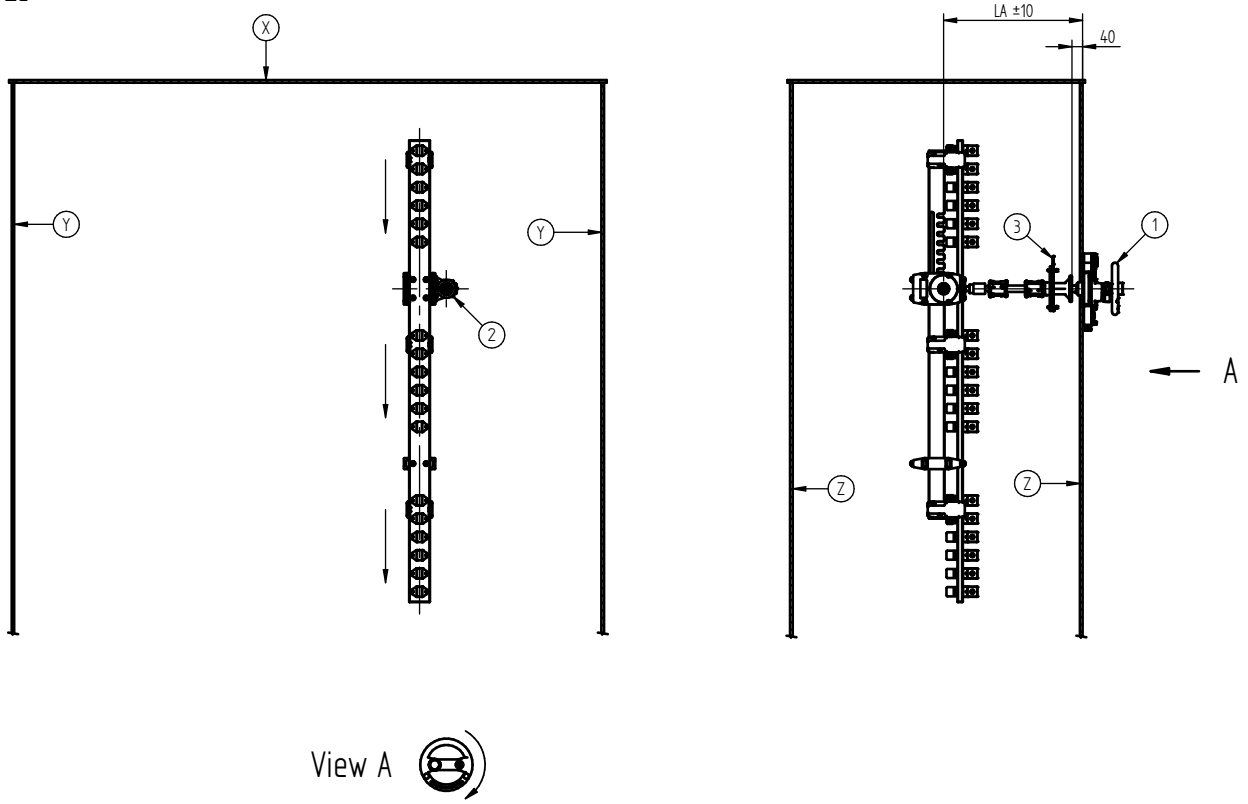
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SHEET 1 / 1

A3

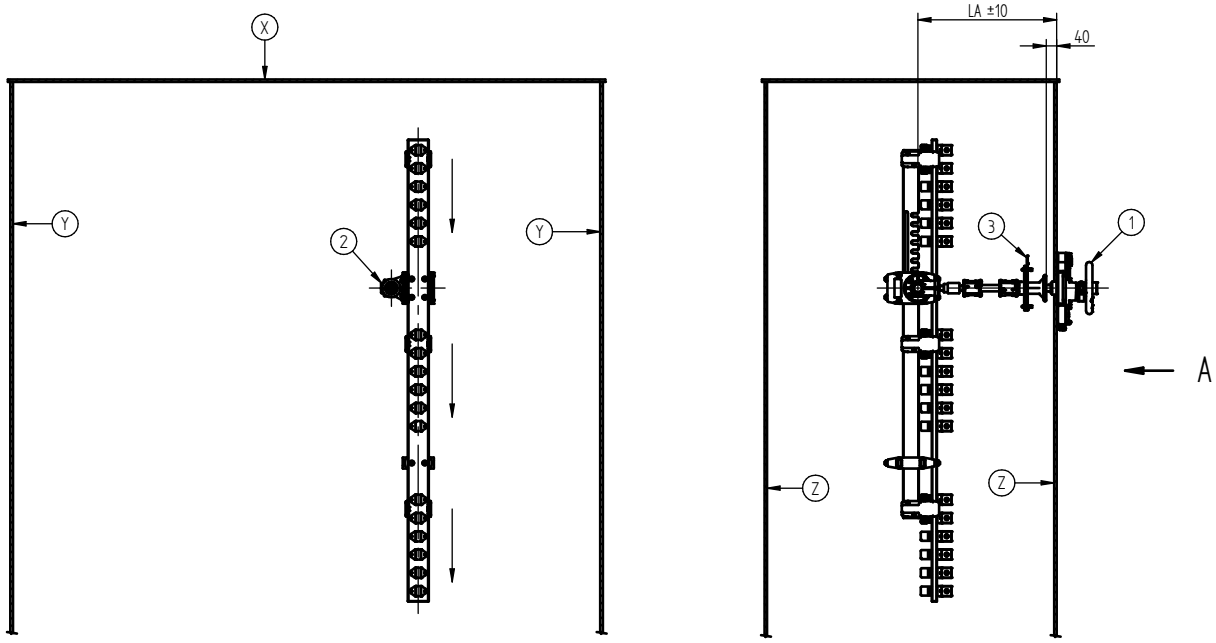
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LAYOUT2C



View A

LAYOUT2CI



View A 

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name
Dftr.	25.06.2026	CRESTANIN
Chkd.	25.06.2026	MONDINN
Stand.	26.06.2026	CRESTANIN

Document no.		Projection method
SED 13113290 000 00		
Change no.	Scale	
1143366	1:20	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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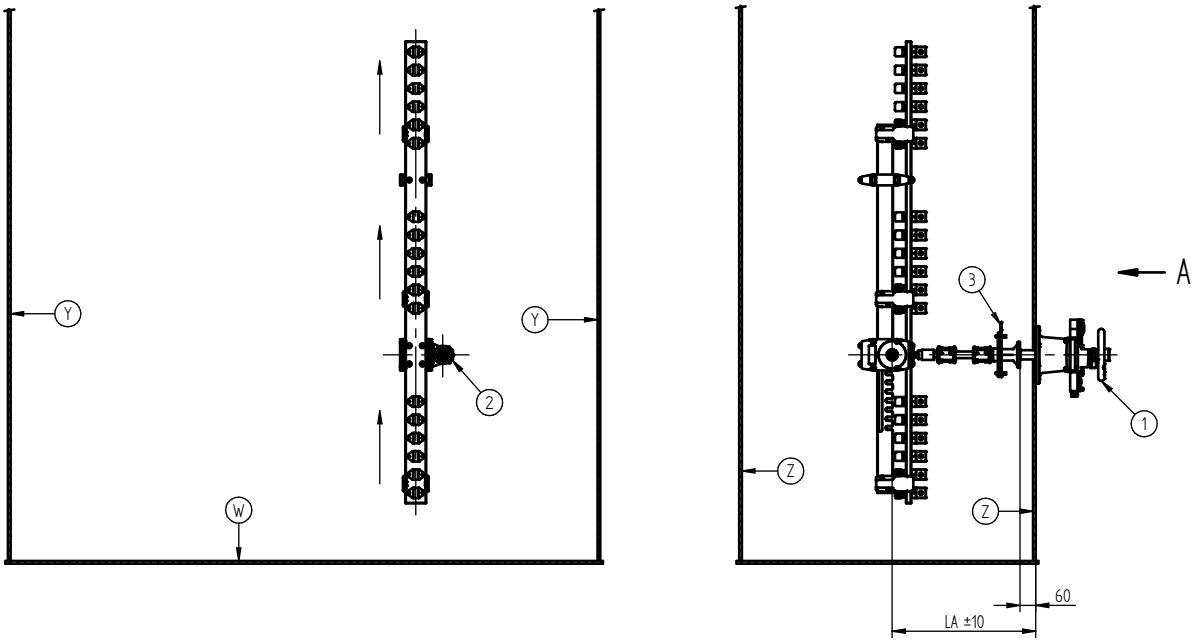
MATERIAL NUMBER
101958640E

SHEET
1 / 1

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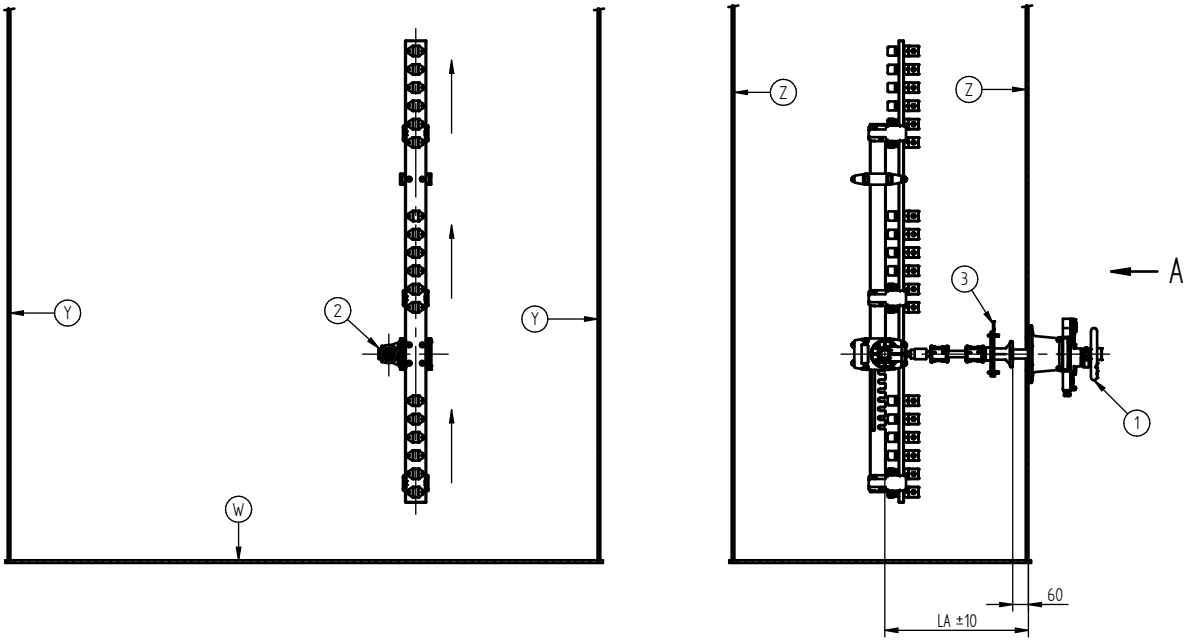
LAYOUT2D





View A

LAYOUT2DI



View A 

(X) TRANSFORMER TANK BOTTOM
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.208
070-1.12.209

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
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Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

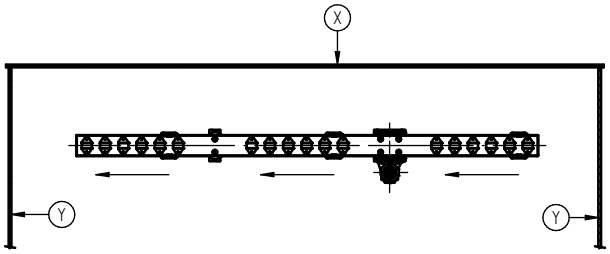
DIMENSION IN mm EXCEPT AS NOTED

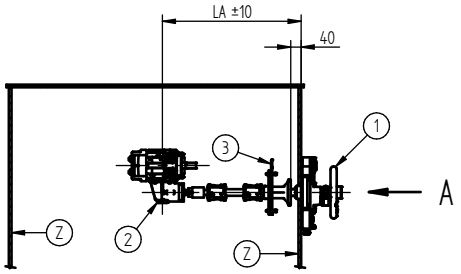
DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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MATERIAL NUMBER 101958650E
SHEET 1 / 1
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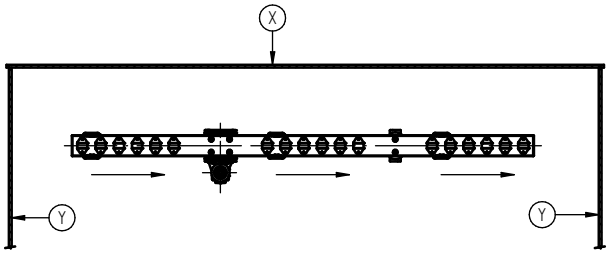
LAYOUT2E

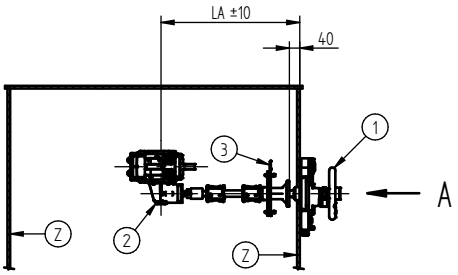




View A 

LAYOUT2EI

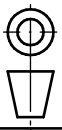




 View A

	Name	Date
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Chkd.	MONDINN	25.06.2026
Stand.	CRESTANIN	25.06.2026

Document no.	Scale
SED 13147392 000 00	1:20
Change no.	
1143366	

Projection method 

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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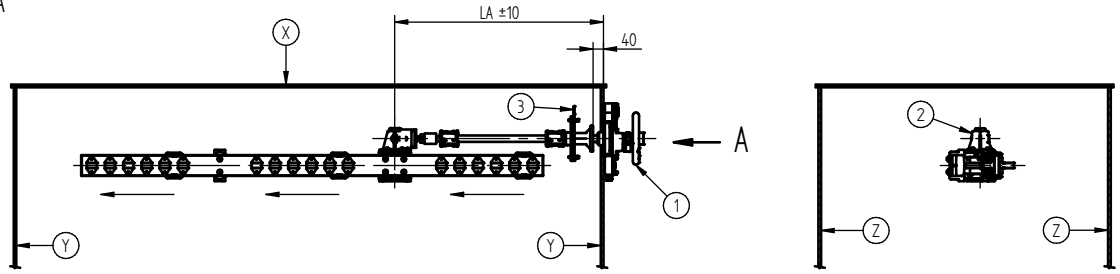
MATERIAL NUMBER
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SHEET
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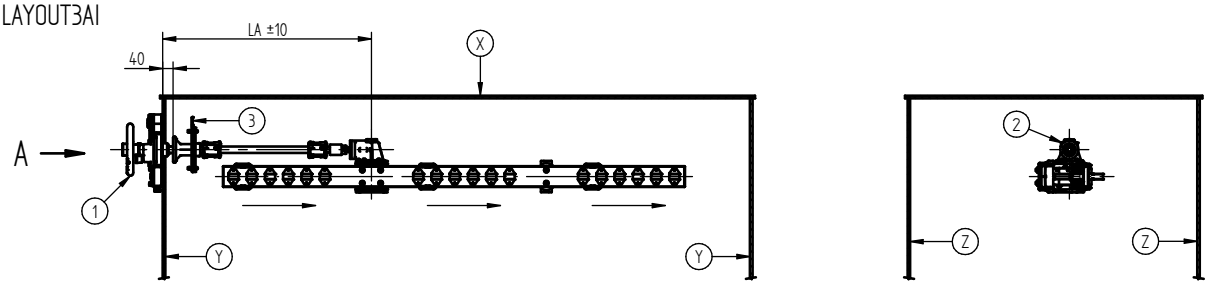
LAYOUT3A





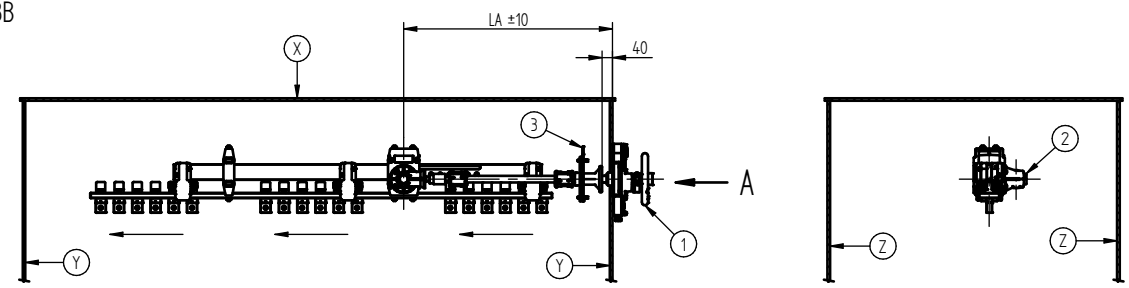
View A

LAYOUT3AI



View A 

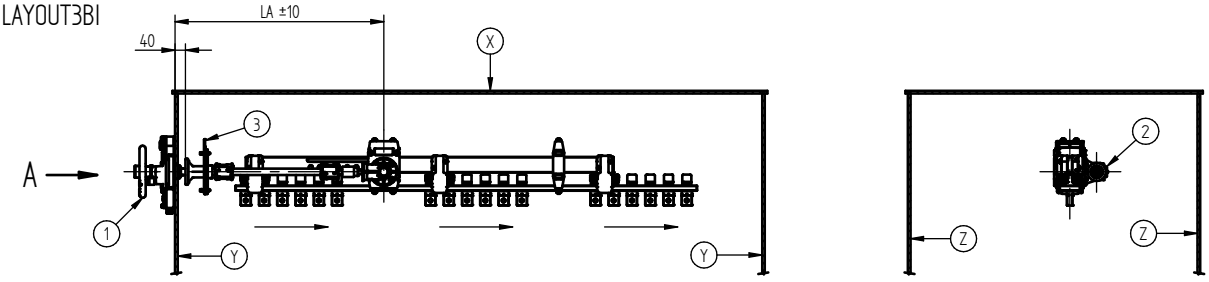
LAYOUT3B





View A

LAYOUT3BI



View A 

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON COVER
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
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Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
–

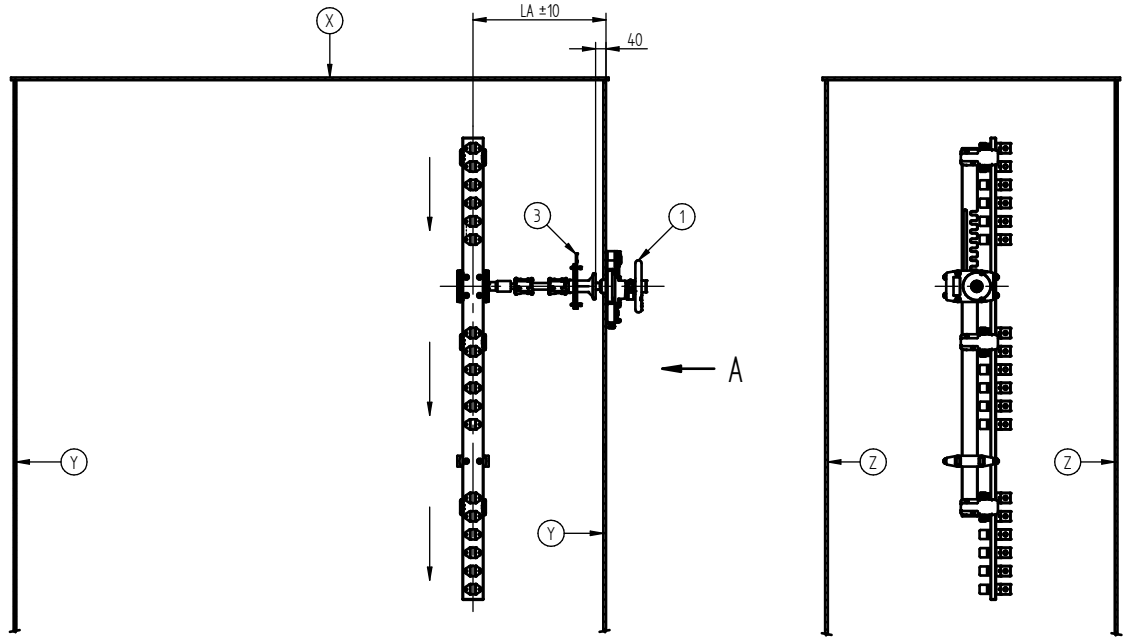
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SHEET 1 / 1

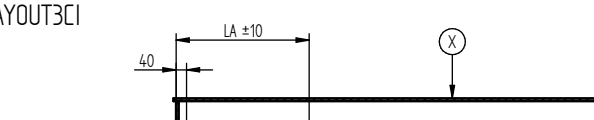
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LAYOUT3C



View A



LAYOUT3CI

View A



(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13117682 000 00	Scale 1:20	
Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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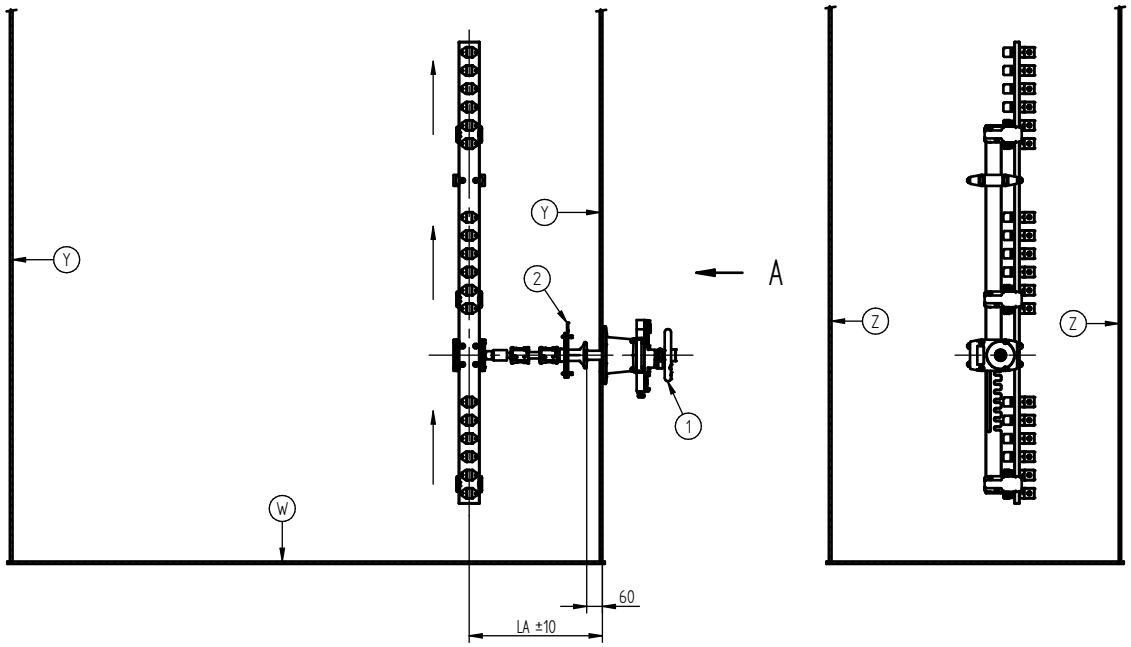
MATERIAL NUMBER 101958680E

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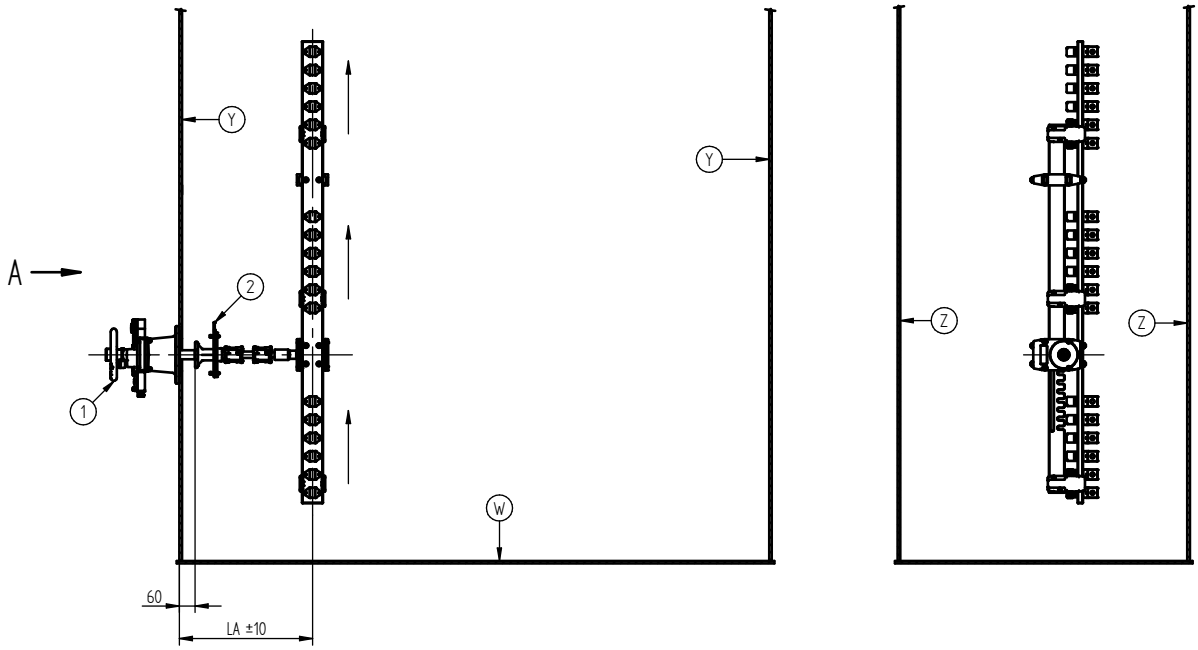
LAYOUT3D





View A

LAYOUT3DI



View A 

(W) TRANSFORMER TANK BOTTOM
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.208
070-1.12.209

(2) CONICAL PLUG-IN COUPLING
OPTIONS:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13118608 000 00		
Chkd.	25.06.2026	MONDINN	Change no.	Scale	
Stand.	26.06.2026	CRESTANIN	1143366	1:20	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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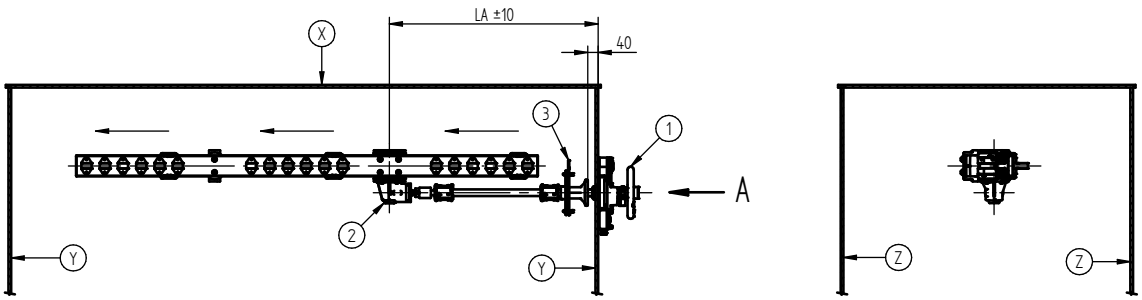
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SHEET
1 / 1

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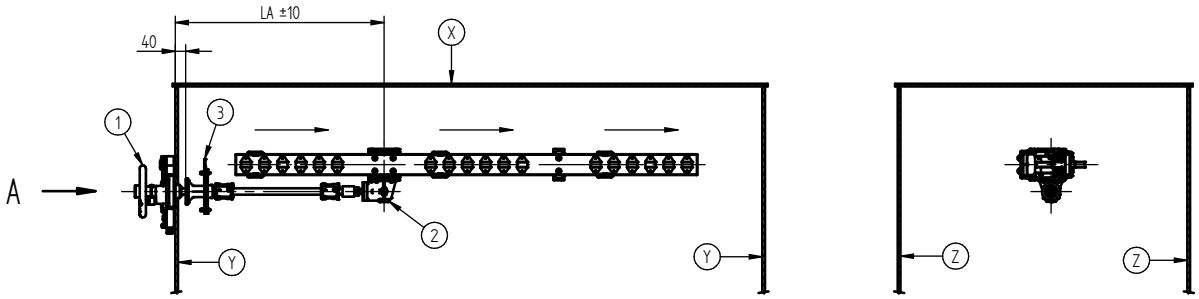
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LAYOUT3E



View A 

LAYOUT3EI



 View A

	Name	Date
Drawn	CRESTANIN	25.06.2026
Chkd.	MONDINN	25.06.2026
Stand.	CRESTANIN	25.06.2026

Document no.: SED 1314835 4 000 00
Change no.: 1143366
Scale: 1:20
Projection method

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DIRECT DRIVE ON WALL
OPTIONS:
070-1.12.212
070-1.12.212BE

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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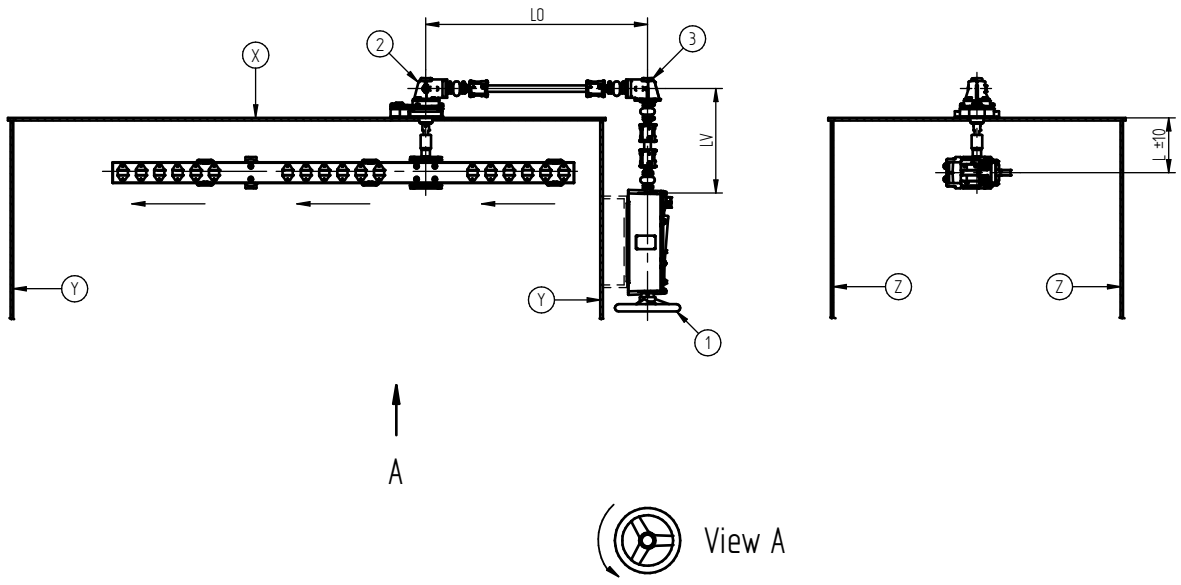
MATERIAL NUMBER
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SHEET
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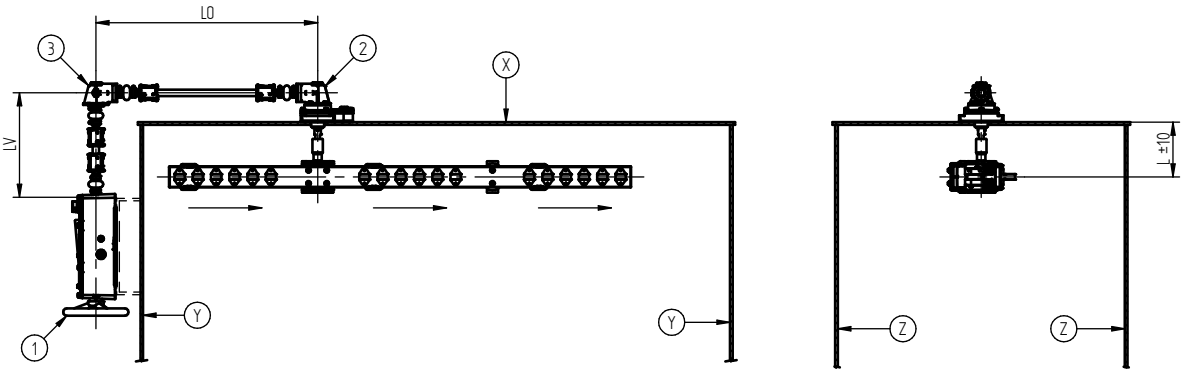
LAYOUT4A



A

View A

LAYOUT4AI



A

View A

	Name	Date
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Chkd.	MONDINN	25.06.2026
Stand.	CRESTANIN	26.06.2026

Document no.		Projection method
SED 13117242 000 00	Scale	
Change no.	1:20	
1143366		

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) BEVEL GEAR ON COVER
OPTIONS:
070-1.12.204

(3) BEVEL GEAR
OPTION:
070-1.12.203

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

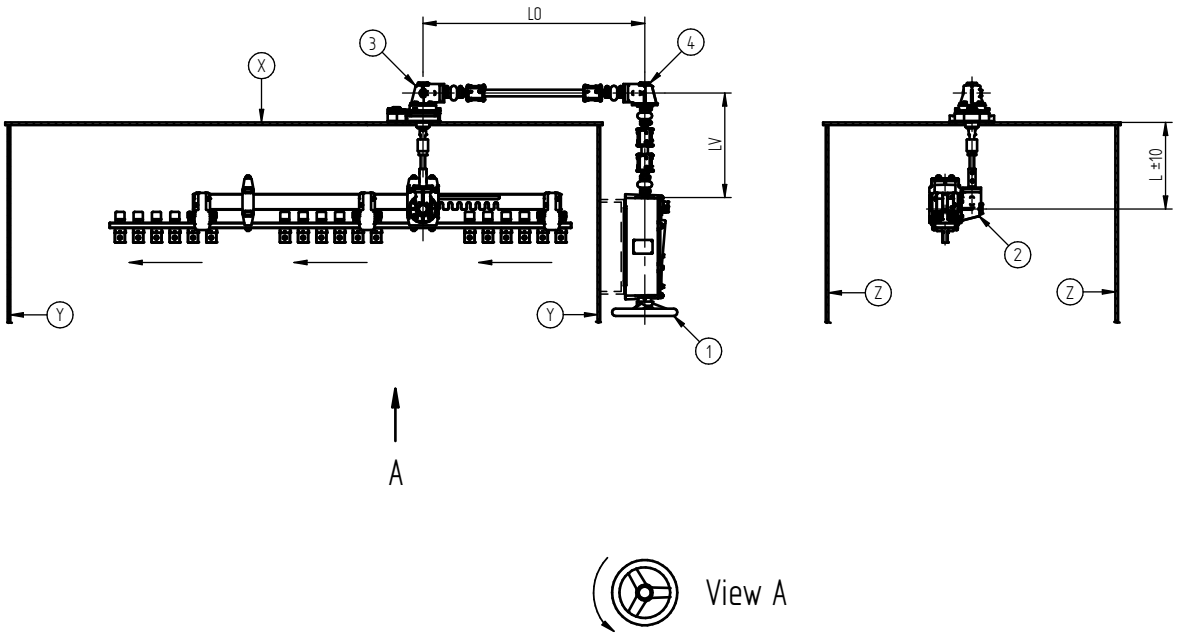
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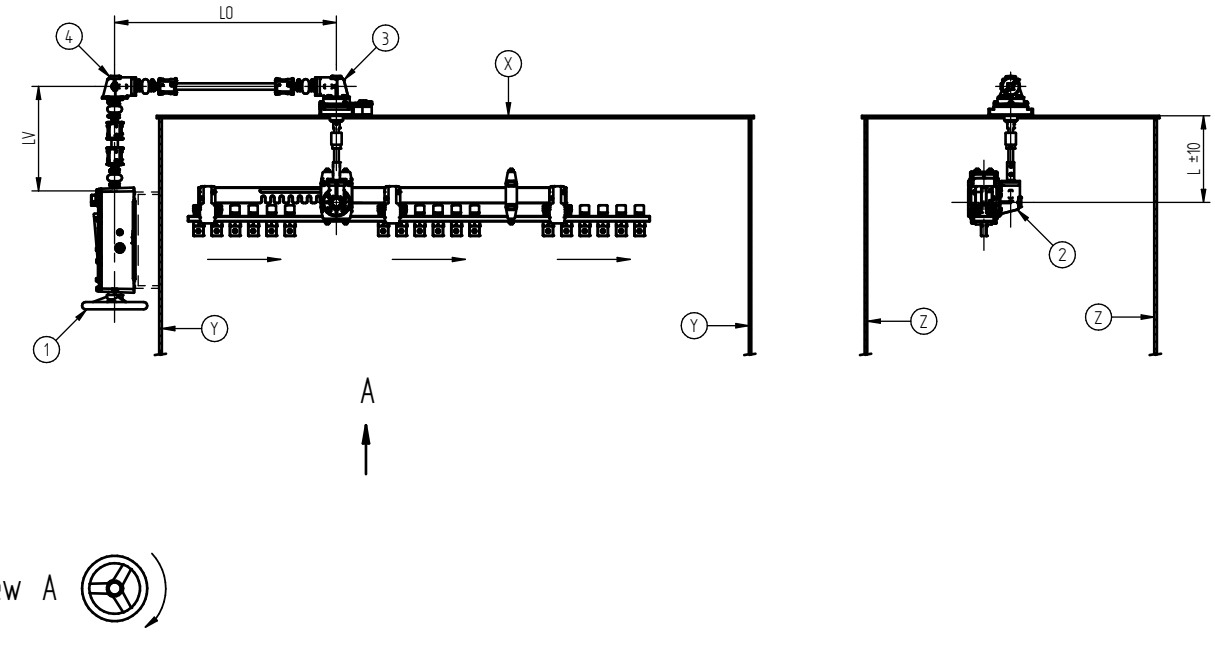
SHEET
1 / 1

A3

LAYOUT4B



LAYOUT4BI



(X) TRANSFORMER TANK COVER

(Y) TRANSFORMER SHORT TANK SIDEWALL

(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) BEVEL GEAR ON COVER
OPTION:
070-1.12.204

(4) BEVEL GEAR
OPTION:
070-1.12.203

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

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	Date	Name	Document no.		Projection method
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Chkd.	25.06.2026	MONDINN	Change no.	Scale	1:20
Stand.	26.06.2026	CRESTANIN	1143366		

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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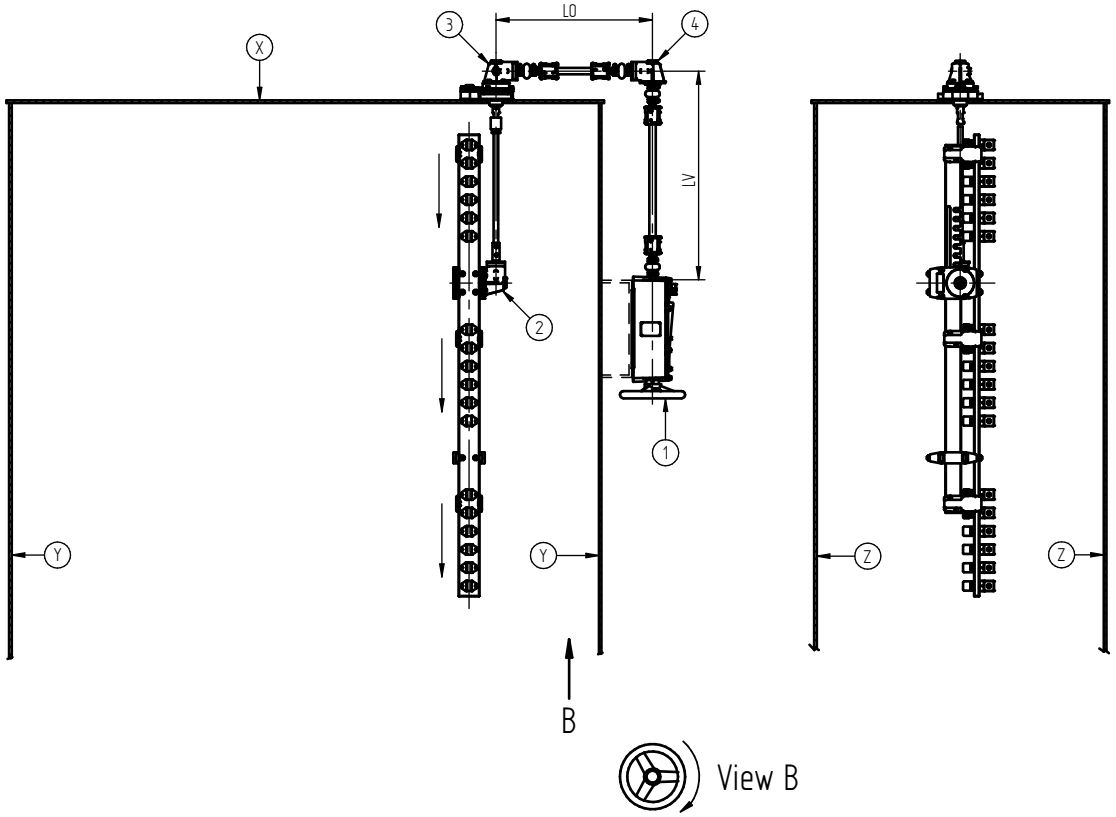
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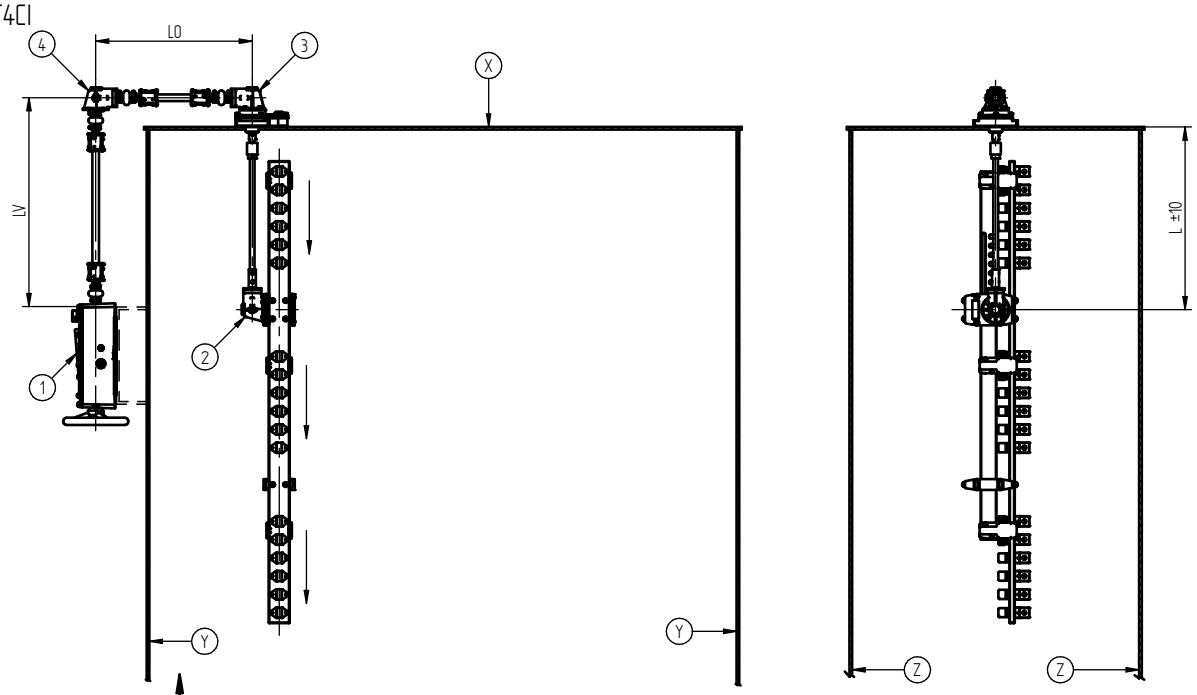
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LAYOUT4C



View B

LAYOUT4CI



View A

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) BEVEL GEAR ON COVER
OPTION:
070-1.12.204

(4) BEVEL GEAR
OPTION:
070-1.12.203

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
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Chkd.	25.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:20	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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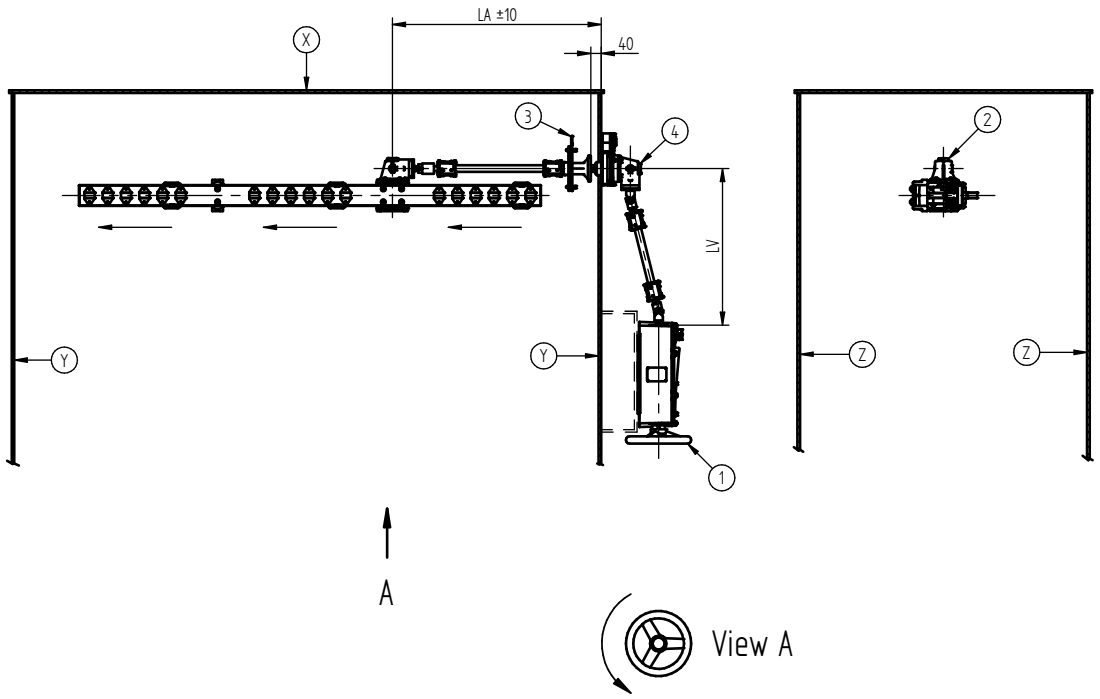
MATERIAL NUMBER
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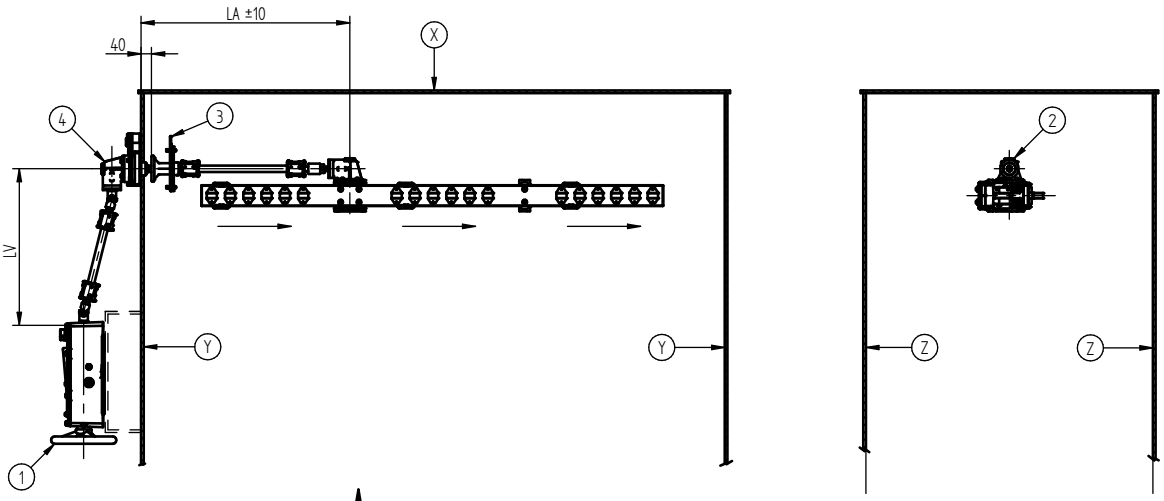
LAYOUT5A



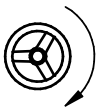
A

View A

LAYOUT5AI



A

View A 

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

(4) BEVEL GEAR ON WALL
OPTION:
070-1.12.204

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
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Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER –

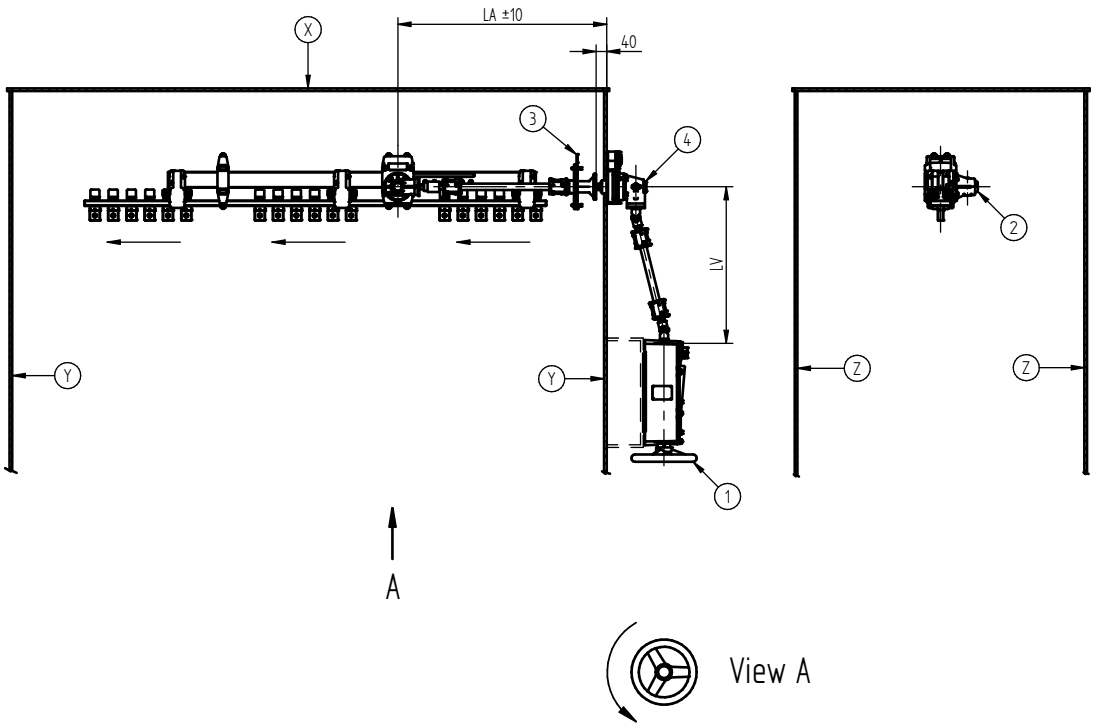
MATERIAL NUMBER 101958740E

SHEET 1 / 1

A3

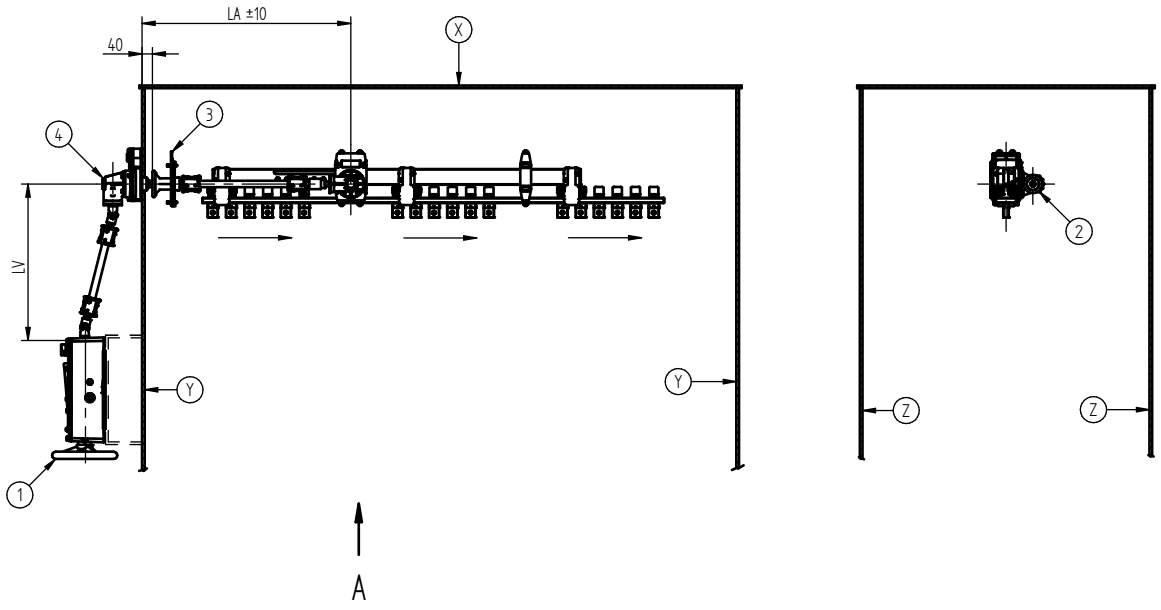
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LAYOUT5B

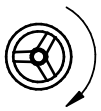


View A

LAYOUT5BI



View A



(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) BEVEL GEAR ON TAP-CHANGER
OPTIONS:
070-1.12.106

(3) CONICAL PLUG-IN COUPLING
OPTION:
070-1.12.211

(4) BEVEL GEAR ON WALL
OPTION:
070-1.12.204

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13148713 000 00	Scale 1:20	
Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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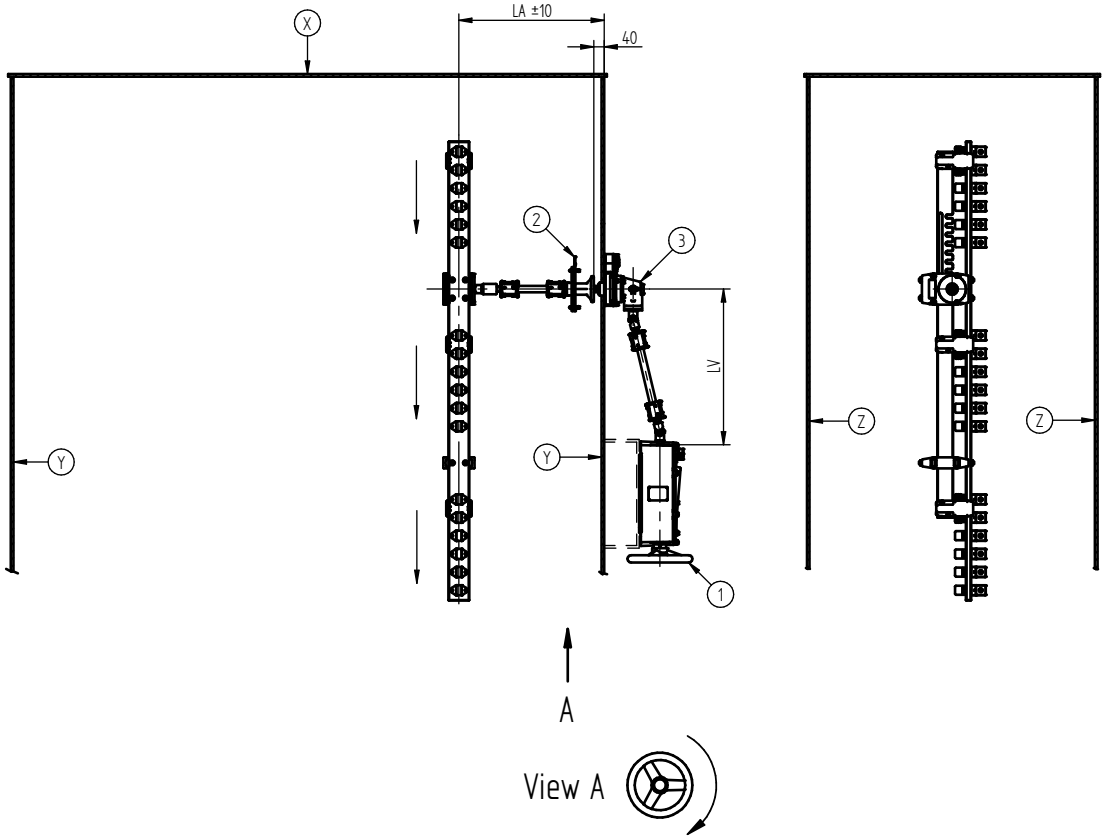
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SHEET 1 / 1

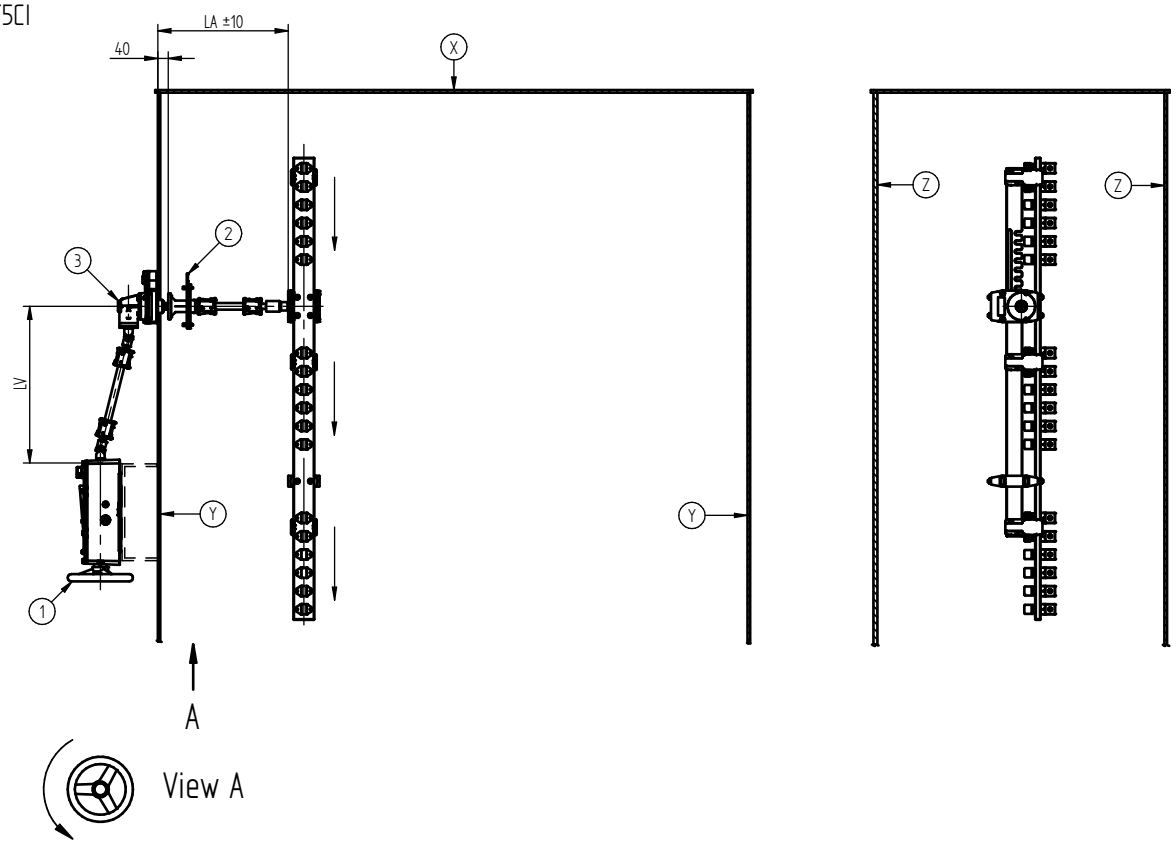
A3

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LAYOUT5C



LAYOUT5CI



	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13116584 000 00	Scale 1:20	
Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	26.06.2026	CRESTANIN			

(X) TRANSFORMER TANK COVER
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) CONICAL PLUG-IN COUPLING
OPTIONS:
070-1.12.211

(3) BEVEL GEAR ON WALL
OPTION:
070-1.12.204

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

SERIAL NUMBER
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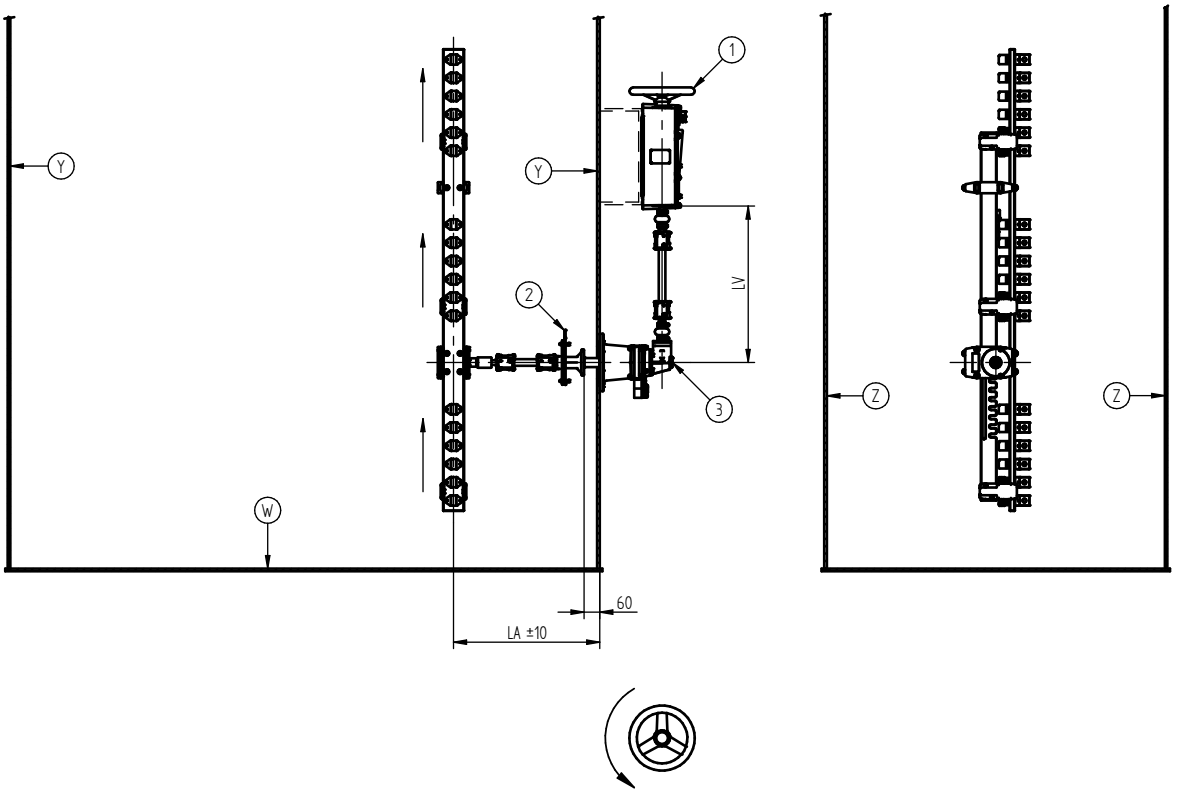
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SHEET 1 / 1

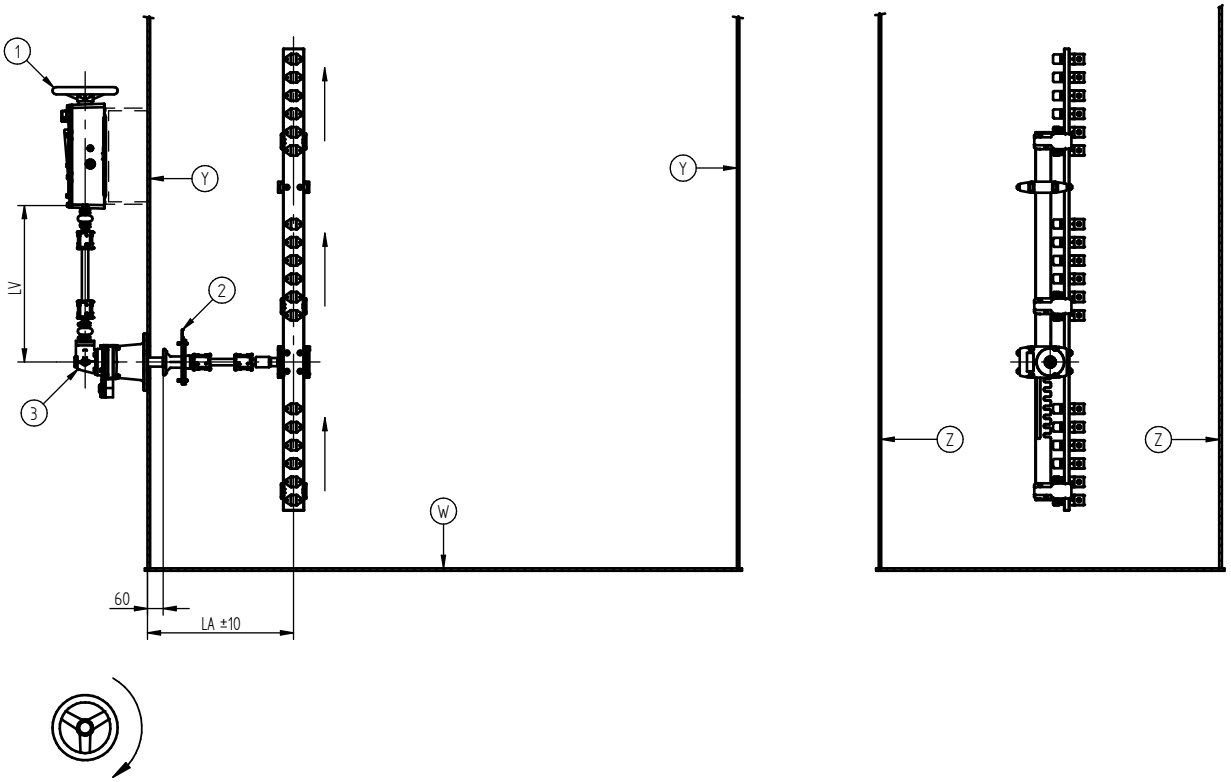
A3

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LAYOUT5D



LAYOUT5DI



	Date	Name	Document no.		Projection method
Dftr.	25.06.2026	CRESTANIN	SED 13133632 000 00	Scale 1:20	
Chkd.	25.06.2026	MONDINN	Change no. 1143366		
Stand.	25.06.2026	CRESTANIN			

(W) TRANSFORMER TANK BOTTOM
(Y) TRANSFORMER SHORT TANK SIDEWALL
(Z) TRANSFORMER LONG TANK SIDEWALL

(1) DRIVE ON WALL
OPTIONS:
070-1.12.201
070-1.12.202
070-1.12.202-2
070-1.12.210
DETC CONTROL

(2) CONICAL PLUG-IN COUPLING
OPTIONS:
070-1.12.211

(3) BEVEL GEAR ON WALL
OPTION:
070-1.12.205

ROTATION DIRECTION OF THE HAND WHEEL

MOVEMENT DIRECTION OF THE MOVING CONTACTS

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Assembly layout with drive on transformer wall

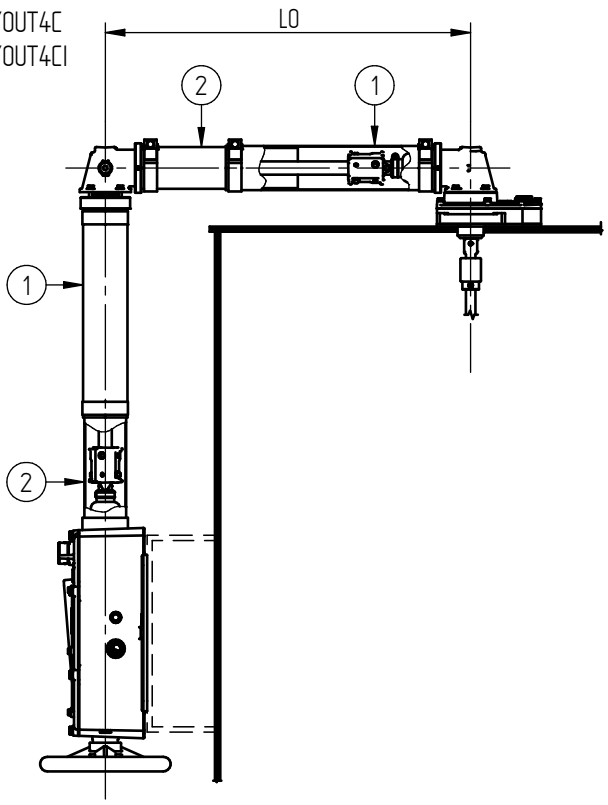
SERIAL NUMBER
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MATERIAL NUMBER
101958770E

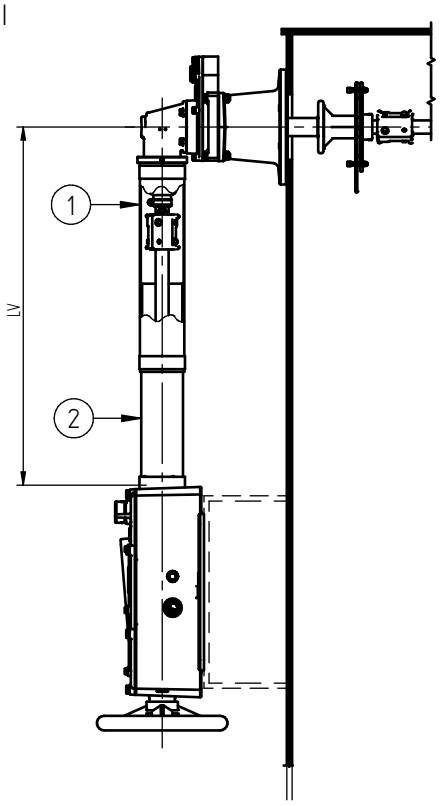
SHEET
1 / 1

A3

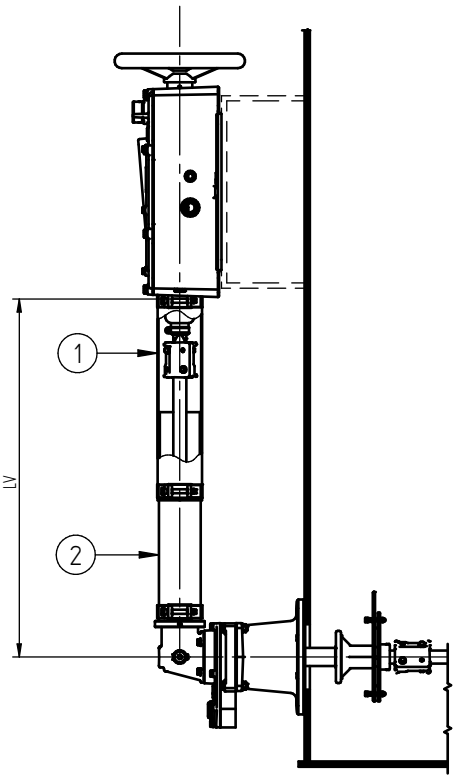
LAYOUT4A
LAYOUT4AI
LAYOUT4B
LAYOUT4BI
LAYOUT4C
LAYOUT4CI

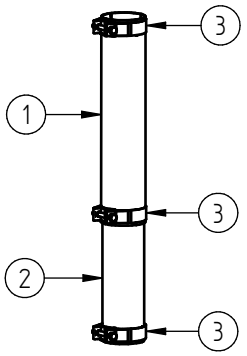


LAYOUT5A
LAYOUT5AI
LAYOUT5B
LAYOUT5BI
LAYOUT5C
LAYOUT5CI



LAYOUT5D
LAYOUT5DI





(1) PROTECTIVE TUBE Φ85 mm

(2) PROTECTIVE TUBE Φ80 mm

(3) HOSE CLIPS

Telescopic protective tube supplied only upon request for manual drives.
Always included with the installation of the DETC CONTROL drive.

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 13128505 000 00		
Chkd.	19.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	1:10	

DIMENSION IN mm EXCEPT AS NOTED

MR

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Telescopic protective tube for drive shafts

SERIAL NUMBER
–

MATERIAL NUMBER
101958780E

SHEET
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LAYOUT TYPE	Dimensions (mm)			
	L Min.	LA Min.	LO Min.	LV Min.
1A – 1AI	210	–	–	–
1B – 1BI	220	–	–	–
2A – 2AI	–	394	–	–
2B – 2BI	–	383	–	–
2C – 2CI	–	394	–	–
2D – 2DI	–	414	–	–
2E – 2EI	–	394	–	–
3C – 3CI	–	383	–	–
3D – 3DI	–	403	–	–
4A –4AI	210	–	404	305
4B –4BI	220	–	404	305
4C – 4CI	–	–	404	305
5A – 5AI	–	–	–	335
5B – 5BI	–	–	–	335
5C – 5CI	–	383	–	335
5D – 5DI	–	403	–	335

- The dimensions reported in this table are the minimum mechanical dimensions achievable.
- The LA dimension for layouts not reported in this table depends on the tap-changer configuration.

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	Date	Name	Document no.		Projection method
Dftr.	16.06.2026	CRESTANIN	SED 13174233 000 00		
Chkd.	23.06.2026	MONDINN	Change no.	Scale	
Stand.	25.06.2026	CRESTANIN	1143366	-	

DIMENSION IN mm EXCEPT AS NOTED

DE-ENERGIZED TAP-CHANGER CAPT® 040+
Drive shaft lengths

SERIAL NUMBER
–
MATERIAL NUMBER 101958790E
SHEET 1 / 1
A3

Reinhausen GmbH
Falkensteinstrasse 8
93059 Regensburg
Germany
+49 941 4090-0
info@reinhausen.com
reinhausen.com

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THE POWER BEHIND POWER.