


AUTORIZACE:

| | | | |
|-------------------|--|---|---------------------|
| D | | | |
| C | | | |
| B | | | |
| A | | | |
| INDEX REVIZE | POPIS REVIZE | DATUM | JMÉNO |
| NÁZEV AKCE | TR Humpolec - modernizace | Č. STAVBY: 001020002865 | Č. OBJ.: 4501621562 |
| STAVEBNÍK | EG.D, a.s., LIDICKÁ 1873/36, 602 00 BRNO |  | |
| STATUS/STUPEŇ | DOKUMENTACE PRO PROVÁDĚNÍ STAVBY (DPS) | | |
| ČÁST | D.1 DOKUMENTACE STAVEBNÍHO NEBO INŽENÝRSKÉHO OBJEKTU | | |
| ZHOT. DOKUMENTACE | SPIE Elektrovod, a.s. odštěpný závod Brno; Traťová 1, 61900 Brno |  | |
| KONTAKTNÍ OSOBA | Ing. LIBOR PEK, libor.pek@spieelv.cz | | |
| ARCHIVNÍ ČÍSLO | 221 22 058 | | |
| ZOD. PROJEKTANT | Ing. KAROL KOVÁČ | DATUM: | 02-2024 |
| VYPRACOVAL | Ing. MARTIN ŠODEL | ČÍSLO VÝK/DOK: | D.1.1 - 12 |
| KONTRLOVAL | Ing. JAKUB CVERENKÁR | | |
| MÍSTO STAVBY | TR 110/22 KV HUMPOLEC | KÓD LOKALITY: | HUM |
| SO/PS | SO 01 - Vedení 110 kV - venkovní | MĚŘÍTKO: | - |
| MAJETKOVÁ TŘÍDA | CZD00002 | FORMÁT: | 1xA4 |
| DRUH DOKUMENTU | VÝPOČTY | LIST/CELKEM: | 1/2 |
| NÁZEV DOKUMENTU | TABULKY NAMÁHÁNÍ A PRŮHYBŮ KONEČNÉ | ARCHIVNÍ ČÍSLO EG.D: | |

FÁZOVÉ VODIČE

St.č.1. - St.č.2

Fázový vodič – 243-AL1/39-ST1A

Ruling span (m) 70,46

Sagging data: Catenary (m) 135.276, Horiz. Tension (N) 1300 Condition C Temperature (deg C) -5

Weather case for final after creep +10°C, Equivalent to 20.2 (deg C) temperature increase

Weather case for final after load -30°C, Equivalent to 1.1 (deg C) temperature increase

Projekční tabulka

| -----Stav pocasi----- | | | | --Zatizeni lana-- | | | | -----Pocatecni stav----- | | | | -----Konecny stav----- | | | |
|-----------------------|-------------------|--------------------|-------|-------------------|------|------|-----|--------------------------|------|------|------|------------------------|-----|------|-----|
| | | | | | | | | | | | | -----Po teceni----- | | | |
| # | Popis | Horiz | Vert | Res | Max | Hor | Max | fmax | Max | Hor | Hor | fmax | Max | Hor | Hor |
| | | -----zatazeni----- | | | Tah | Tah | Tah | C | Tah | Tah | Tah | C | Tah | Tah | Tah |
| | | ----- (N/m) ----- | | | (N) | (N) | %UL | (m) | (m) | (N) | (N) | %UL | (m) | (m) | (m) |
| 1 | -30°C | 0.00 | 9.61 | 9.61 | 1394 | 1351 | 2 | 141 | 4.44 | 1374 | 1330 | 2 | 138 | 4.51 | |
| 2 | -20°C | 0.00 | 9.61 | 9.61 | 1382 | 1338 | 2 | 139 | 4.48 | 1362 | 1317 | 2 | 137 | 4.55 | |
| 3 | -10°C | 0.00 | 9.61 | 9.61 | 1374 | 1330 | 2 | 138 | 4.51 | 1350 | 1304 | 2 | 136 | 4.60 | |
| 4 | -5°C | 0.00 | 9.61 | 9.61 | 1368 | 1323 | 2 | 138 | 4.53 | 1343 | 1298 | 2 | 135 | 4.62 | |
| 5 | 0°C | 0.00 | 9.61 | 9.61 | 1362 | 1317 | 2 | 137 | 4.55 | 1342 | 1296 | 2 | 135 | 4.63 | |
| 6 | +10°C | 0.00 | 9.61 | 9.61 | 1350 | 1304 | 2 | 136 | 4.60 | 1329 | 1284 | 2 | 134 | 4.67 | |
| 7 | +20°C | 0.00 | 9.61 | 9.61 | 1342 | 1296 | 2 | 135 | 4.63 | 1321 | 1275 | 1 | 133 | 4.70 | |
| 8 | +30°C | 0.00 | 9.61 | 9.61 | 1329 | 1284 | 2 | 134 | 4.67 | 1309 | 1263 | 1 | 131 | 4.75 | |
| 9 | +35°C | 0.00 | 9.61 | 9.61 | 1323 | 1277 | 2 | 133 | 4.70 | 1307 | 1261 | 1 | 131 | 4.76 | |
| 10 | +40°C | 0.00 | 9.61 | 9.61 | 1321 | 1275 | 2 | 133 | 4.70 | 1301 | 1254 | 1 | 131 | 4.78 | |
| 11 | +60°C | 0.00 | 9.61 | 9.61 | 1301 | 1254 | 2 | 131 | 4.78 | 1281 | 1233 | 1 | 128 | 4.87 | |
| 12 | +70°C | 0.00 | 9.61 | 9.61 | 1293 | 1246 | 2 | 130 | 4.82 | 1273 | 1225 | 1 | 127 | 4.90 | |
| 13 | +80°C | 0.00 | 9.61 | 9.61 | 1281 | 1233 | 2 | 128 | 4.87 | 1265 | 1217 | 1 | 127 | 4.93 | |
| 14 | -5°C+N (EN2012) | 0.00 | 13.46 | 13.46 | 1912 | 1850 | 2 | 137 | 4.54 | 1883 | 1820 | 2 | 135 | 4.62 | |
| 15 | -5°C+V (EN2012) | 13.81 | 9.61 | 16.82 | 2386 | 2309 | 3 | 137 | 4.55 | 2349 | 2271 | 3 | 135 | 4.62 | |
| 16 | -5°C+N+v (EN2012) | 6.69 | 13.46 | 15.04 | 2136 | 2067 | 3 | 137 | 4.54 | 2104 | 2033 | 2 | 135 | 4.62 | |
| 17 | -5°C+V+n (EN2012) | 8.61 | 10.96 | 13.94 | 1981 | 1917 | 2 | 138 | 4.54 | 1948 | 1883 | 2 | 135 | 4.62 | |