

Mat '64



Prototype:

The NS Mat '64 or Materieel '64 electric multiple units were built by Werkspoor and later by Düwag and Waggonfabrik Talbot between 1961 and 1976. They are operated, in decreasing numbers, in the Netherlands by the Nederlandse Spoorwegen (NS). The class is actually called Plan T and Plan V: the Plan T is a 4-car EMU and the Plan V is a 2-car EMU.

Source Wikipedia

function	arrangement	function output	sound-function
F0	Light on/off	white light driver's cab 1(FA0v) and red back light driver's cab 2(FA1) on forward driving, white light driver's cab 2(FA0r) and red back light driver's cab 1(FA2) on reversing	
F1			high horn
F2			low horn
F3			conductor's whistle
F4			compressor
F5			door opening and door closing
F6	half speed- and deactivating momentum button		
F7	light suppression driver's cab side 1	FA0v and FA2 suppressed	
F8	Sound on/off		
F9	light suppression driver's cab side 2	FA0r and FA1 suppressed	
F10			
F11			
F12			
F13			
F14	mute on/off		

random effect	sound
Z1	compressor

Modified CVs

CV# 1 = 3	CV# 105 = 161	CV# 292 = 60	CV# 326 = 0
CV# 2 = 4	CV# 106 = 1	CV# 293 = 160	CV# 327 = 0
CV# 4 = 10	CV# 107 = 71	CV# 294 = 255	CV# 328 = 0
CV# 5 = 140	CV# 108 = 41	CV# 295 = 1	CV# 329 = 0
CV# 9 = 95	CV# 112 = 64	CV# 296 = 255	CV# 330 = 0
CV# 13 = 1	CV# 124 = 35	CV# 297 = 55	CV# 331 = 0
CV# 29 = 14	CV# 136 = 24	CV# 298 = 50	CV# 332 = 0
CV# 33 = 5	CV# 144 = 128	CV# 299 = 240	CV# 333 = 0
CV# 34 = 10	CV# 148 = 1	CV# 311 = 0	CV# 334 = 0
CV# 35 = 0	CV# 155 = 6	CV# 312 = 0	CV# 335 = 0
CV# 36 = 0	CV# 156 = 6	CV# 313 = 114	CV# 336 = 0
CV# 37 = 0	CV# 158 = 68	CV# 314 = 0	CV# 337 = 0
CV# 38 = 0	CV# 254 = 46	CV# 315 = 0	CV# 338 = 0
CV# 39 = 0	CV# 266 = 54	CV# 316 = 0	CV# 344 = 40
CV# 40 = 0	CV# 273 = 10	CV# 317 = 0	CV# 351 = 0
CV# 41 = 0	CV# 274 = 0	CV# 318 = 0	CV# 352 = 0
CV# 42 = 0	CV# 275 = 50	CV# 319 = 0	CV# 357 = 60
CV# 43 = 0	CV# 276 = 50	CV# 320 = 0	CV# 358 = 10
CV# 44 = 0	CV# 283 = 50	CV# 321 = 0	CV# 361 = 25
CV# 45 = 0	CV# 286 = 50	CV# 322 = 0	CV# 363 = 0
CV# 46 = 0	CV# 287 = 100	CV# 323 = 0	CV# 372 = 200
CV# 56 = 33	CV# 288 = 30	CV# 324 = 0	CV# 373 = 40
CV# 61 = 97	CV# 290 = 100	CV# 325 = 0	