



10.03.2025

| LDM-EL-0400 | | | |
|-------------|---|--------|----------|
| Name | Bezeichnung | Value | Unit |
| p300 | Motor type selection | 4 | |
| p301 | Motor code number selection | 0 | |
| p305 | Rated motor current | 6,70 | Aeff |
| p311 | Rated motor velocity | 150,00 | m/min |
| p315 | Motor pole pair width | 28,10 | mm |
| p316 | Motor force constant | 55,00 | N/Aeff |
| p322 | Motor maximum velocity | 300,00 | m/min |
| p323 | Maximum motor current | 28,00 | Aeff |
| p338 | Motor limit current | 28,00 | Aeff |
| p341 | Motor weight | 9,60 | kg |
| p312 | Rated motor force | 370,00 | N |
| p317 | Motor voltage constant | 35,00 | Veff s/m |
| p318 | Motor stall current | 6,70 | Aeff |
| p319 | Motor stall force | 370,00 | N |
| p320 | Motor rated magnetizing current/short-circuit current | 0,001 | Aeff |
| p325 | Motor pole position identification current 1st phase | 0,000 | |
| p326 | Motor stall force correction factor | 100,00 | % |
| p327 | Optimum motor load angle | 90,00 | ° |
| p328 | Motor reluctance force constant | 0,00 | mH |
| p329 | Motor pole position identification current | 10,00 | Aeff |
| p348 | Velocity at the start of field weakening Vdc = 600 V | 300,00 | m/min |
| p391 | Current controller adaptation starting point KP | 8,00 | Aeff |
| p392 | Current controller adaptation starting point KP adapted | 25,20 | Aeff |
| p393 | Current controller adaptation p gain adaptation | 30,00 | % |
| p350 | Motor stator resistance cold | 0,80 | Ohm |
| p356 | Motor stator leakage inductance | 7,75 | mH |
| p604 | Mot_temp_mod 2: sensor alarm threshold | 85,00 | °C |
| p605 | Mot_temp_mod 1/2 sensor threshold and temperature value | 90,00 | °C |
| p606 | Mot_temp_mod 2: sensor timer | 1,00 | s |
| p611 | I2t motor model thermal time constant | 30,00 | s |
| p612.0 | Activate mot_temp_mod 1 (I2t) | 1,00 | |
| p615 | Mot_temp_mod 1 (I2t) fault threshold | 90,00 | |
| p1752 | Motor model changeover speed operation with encoder | 360,00 | m/min |
| p1980 | PolID technique | 1 | |
| p1981 | PolID distance max | 30 | ° |