

ECM800 series function configuration

= standard

= optional

Protection	ECM800	ECM801
Start overtime		
Overload		
Overcurrent		
Phase failure		
Current unbalance		
Short circuit		
Earth fault		
Underload		
External fault		
Leakage current		
Temperature (PTC/NTC)		
Overvoltage		
Undervoltage		
Under power		
Phase sequence error		
EEx e overload(tE)		
Analog input		
Motor Starting Control Mode	ECM800	ECM801
Protection mode		
Direct starter		
Reversing direct starter (Rev_DS)		
Star/delta starter with 2 relays (S/D Starter)		
Loop-open star/delta starter with 3 relays (S/D_3R_Open)		
Loop-close star/delta starter with 3 relays (S/D_3R_Close)		
Autotransformer starter with 2 relays (Autotf starter)		
Loop-open autotransformer starter with 3 relays (Autotf_3R_Open)		
Loop-close autotransformer starter with 3 relays (Autotf_3R_Close)		
Breaker direct starter		
DI	ECM800	ECM801
DIs in main module	8	9
Extended digital module can provide 11 DIs at the most.		

DO	ECM800	ECM801
DOs in main module	4	5
Extended digital module can provide 4 DOs at the most.		
Measurements	ECM800	ECM801
Three phases current		
Zero phase sequence current		
Current unbalance rate		
Three phase/phase voltage		
Active power, Reactive power		
Power factor		
Frequency		
Active energy		
Leakage current		
Communication	ECM800	ECM801
MODBUS-RTU		
The other MODBUS-RTU		
PROFIBUS-DP		
Analog Output	ECM800	ECM801
4 ~ 20mA analog output; Analog parameter can be programmed		
Analog Input	ECM800	ECM801
Extended analog module can provide 2 route of 4-20mA analog input at the most		
Trip Events	ECM800	ECM801
8 trip events including the trip reasons and the trip time can be stored.		
Statistic Information	ECM800	ECM801
Total running time		
Total stopped time		
Total stop operation times		
Total trip times		
Restart Function	ECM800	ECM801
In case of a voltage dip, motor can be restart after the restoration in certain cases.		