

Specification

Voltage supply	3-phase 4-wire: ≤500V±10%, 50/60Hz±5%, 550/660VAC are optional 1-phase 3-wire: 110/220V±10%, 50/60Hz±5%
Duty mode	S4 - 25% - 1200 c/h
Motor control	Variable frequency control technology
Add. control supply	24V.DC, max 40mA, 24V.DC (18~33V), max 500mA, with short-circuit protection function
Digital output switch capacity	30VDC.5A or 220/110VAC 5A 250VAC 8A (optional)
Input Signal	1) 4~20mA; 250Ω inherent resistance 2) Profibus-DP, MODBUS, Hart, Ethernet, Foundation Fieldbus (all optional) 3) 120VAC (optional)
Output Signal	1) 4~20 mA; load impedances≤750Ω; temperature effects≤0.1%/10K 2) Profibus-DP, MODBUS, Hart, Ethernet, Foundation Fieldbus (optional)
Strokes range	Minimum 1 circle for Multi-turn, maximum number of turns is unlimited
Torque tripping	40% ~ 100% adjustable, step 5%
Output speed	40% ~ 100% adjustable, step 5%
Accuracy	≤±0.5%
Dead zone	1% (0.5 ~ 10% adjustable)
Intermediate position Setting	Standard
Enclosure protection	IP67 (IP68 optional)
Explosive protection	Exd II CT4
Safety Integrity level	SIL2&3
Ambient conditions	1.) Temperature: Modulating duty, MME series, -25°C ~ +60°C On-off duty, MJE series, -25°C ~ +70°C Split type, MME series, -40°C ~ +85°C 2) Humidity: The Ontrac actuator can operate in up to 100% humidity 3) Air media: corrosive, flammable and explosive gas optional coating
Heater	Optional
Anticondensation	Anticondensation heater included
Coating	Double layer powder coating, C5-M (ISO12944 Marine Optional)
Color	RAL9005 for standard, available colors on request
CE standard and others	1) EN 61000-6-4: 2007, EN 61000-6-2: 2005 2) EN 61000-3-2: 2006 +A1:2009+A2: 2009, EN 61000-3-3: 2008 3) EN 60204-1: 2006+A1: 2009 4) ATEX: CML 14ATEX1108
Installation direction	4 different orientations
Fatigue strength	0.75g sine wave within 5 ~ 200Hz or 2g sine wave within 5 ~ 150Hz
Cable connection	1*M32x1.5 for Φ13~Φ18, 2*M25x1.5 for Φ10~Φ16,
Cable size	Ontrac power cable cross-section area are: flexible cable ≤ 6mm ² , non-flexible cable ≤ 4mm ² cable cross-section area of signal terminals is ≤ 2.5mm ² .

Contact Us



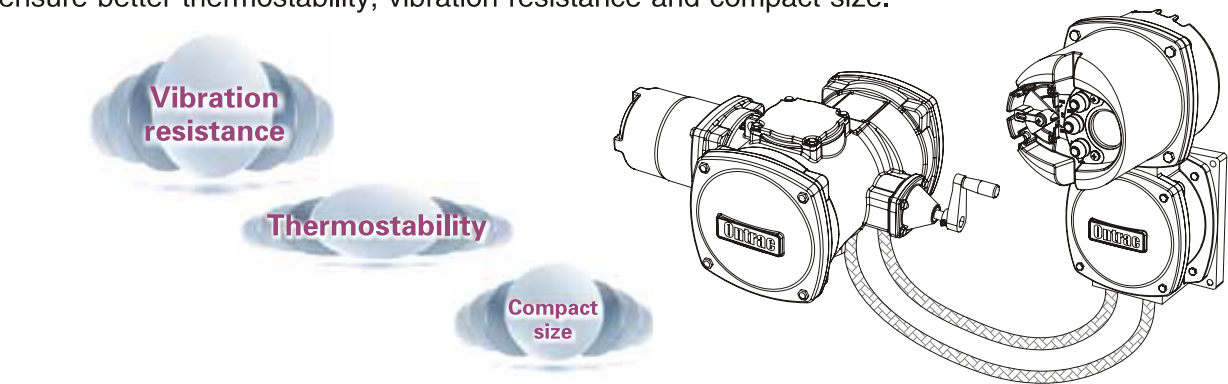
Ontrac®

Ontrac Split Electric Actuators



Ontrac Split Electric Actuators

Split electric actuators separate the electronic control unit from actuator, to ensure better thermostability, vibration resistance and compact size.



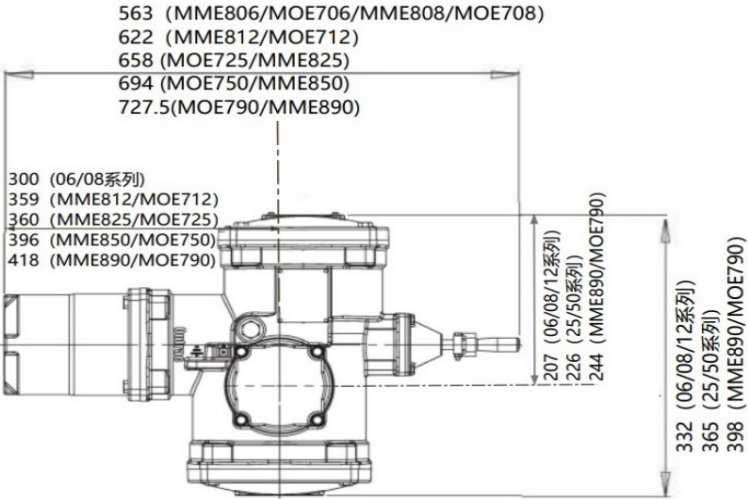
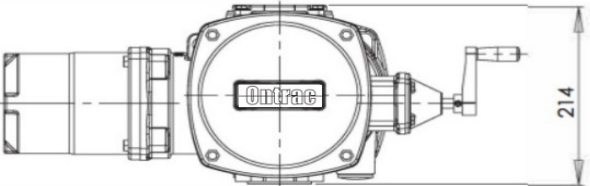
Technical Data and Dimension

Technical Data for MME

Model	Torque Range (Nm)	Speed Range(rpm)
MME 806	20-50	14-35
MME 808	32-80	14-35
MME 812	60-150	14-35
MME 825	120-300	14-35
MME 850	240-600	14-35
MME 890	400-1000	13-32

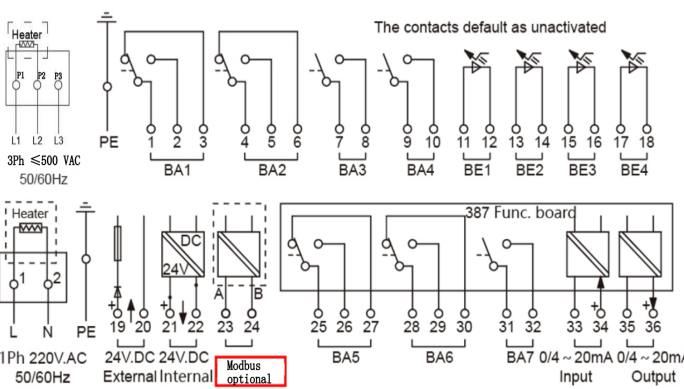
Technical Data for MOE

Model	Speed Group	Torque Range (Nm)	Speed Range (rpm)
MOE 706	M	25-50	14-35
	R	10-25	37-95
	S	6-15	64-160
MOE 708	M	32-80	14-35
	R	20-50	37-95
	S	12-30	72-180
MOE 712	M	60-150	14-35
	R	40-100	37-95
	S	36-90	64-160
MOE 725	M	24-60	72-180
	R	120-300	14-35
	S	80-200	37-95
MOE 750	M	50-125	56-140
	R	240-600	14-35
	S	120-300	37-95
MOE 790	M	160-400	29-72
	R	400-1000	13-32
	S	200-500	37-95
MOE 790L	M	220-550	62-156
	R	320-800	24-60
	S	280-700	37-95
MOE 790L	M	232-580	62-156
	R	400-1000	24-60
	S		

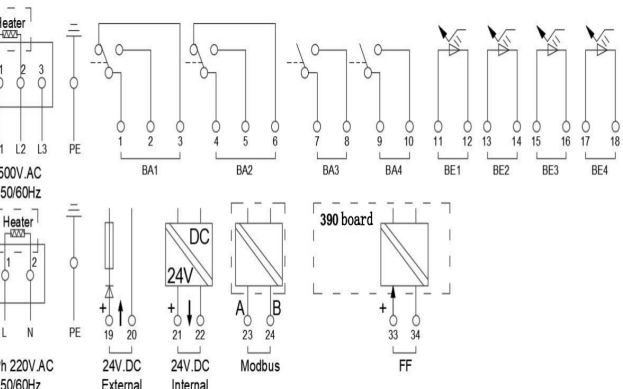


Electrial Wiring of Modbus, Foundation Fieldbus/Hart

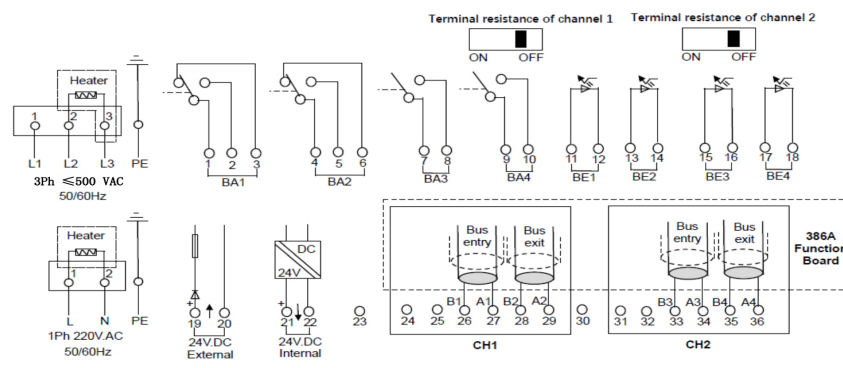
Modbus



Foundation Fieldbus/Hart



Electrical wiring for Profibus-DP



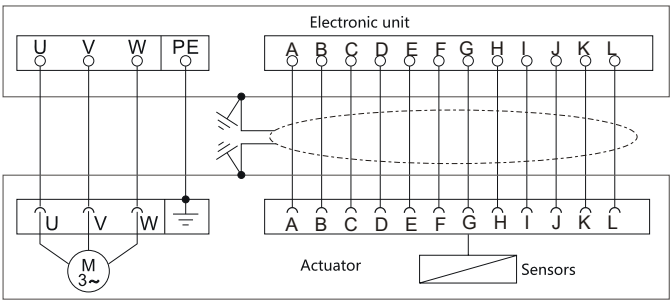
Output Ports Setting

BA1	01	Ready to run
BA2	02	Failure alarm
BA3	03	Open to end position
BA4	04	Closed to end position

Input Ports Setting

BE1	01	Open
BE2	02	Close
BE3	03	Shutdown
BE4	04	Alarm reset

Connection Diagram



4 cores



12 cores



Cable	Material	Sectional area/core	Extreme temp.	Shielding layer	No. of cores	Length
Control cable	Copper	0.5 ~ 1.5mm ²	90 ~ 150°C (On request)	Yes	12	≤10m
Power cable	Copper	2.5 ~ 4mm ² Power < 1.5KW, 2.5mm ² Power > 3KW, 4mm ²	90 ~ 150°C (On request)	Optional	4	≤10m