Specifications

- ●Voltage supply: 3-phase AC, 380/460±10%, 50/60Hz±5%;
  1-phase AC, 220±10%, 50/60Hz±5%;
- ● Duty mode: On-off (MOE series,) a complete stroke, S2 - 15 min;
  Modulating (MME series), separate strokes, S4 - 25%, Number of starts ≤1200/h
- ● Motor control: Variable frequency control technology
- ●Voltage input: 24V. DC (18-33V), max 500mA;
- ●Voltage output: 24V. DC (18-33V), max 40mA; short circuit protection.
- ● Input Signal: (1)Analogue input (optional): 4...20 mA; galvanically isolated; 250Ω inherent resistance; rising characteristic
  (2)Digital input (BE1...B4): 4 optocoupler, potential free; freely configurable
- ● Output Signal: (1)Analogue output (optional): 0/4...20 mA for position signal; load max. 500Ω; galvanical isolated; short circuit proof; rising or falling characteristic;
  (2)Digital output: Standard 4 (BA1...4) optional 7 (BA 5...7) or 8 (BA5...8) potential free, gold coated relay contacts,galvanical isolated, freely configurable; max. 50V,overload proof; Imax. < 150 mA; Imin. > 1 mA;
- ● Strokes range: Minimum 1 circle for Multi-turn.
- ● Torque tripping: 40%...100% adjustbale,step 5%
- ● Output Speed: 40%...100% adjustbale,step5%
- ● Accuracy: (1)Multi-turn（stroke≥1 circle） ≤±0.5%
  (2)Part-turn ≤±0.5%
  (3)Linear（stroke≥25mm） ≤±0.5%
- ● Dead zone: 1%（0.5...10% adjustable）
- ● Enclosure protection: IP67 (IP68 optional)
- ● Explosive protection: ExdIIBT4
- ● Ambient conditions: (1)Temperature: On-off duty, MOE series, – 25 °C to +70 °C
  Modulating duty,MME series, –25 °C to +60 °C
  Separate type, MME series, –40°C to +85 °C
  (2)Humidity：≤95%
  (3)Air media：without corrosive, flammable or explosive gas
- ●Anticondensation: Anti condensation heater inside
- ● CE standard: (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
- ● Fatigue strength: Acceleration 3g: X-28.97 Hz，Y-96.68 Hz，Z-149.6 Hz.

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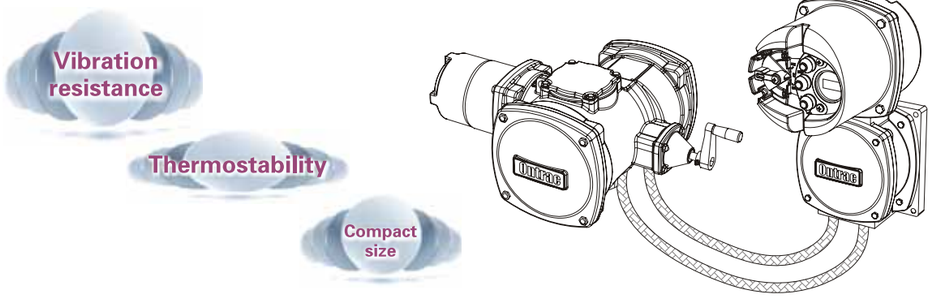
Ontrac®

Ontrac Split Electric Actuators

Ontrac Split Electric Actuators

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



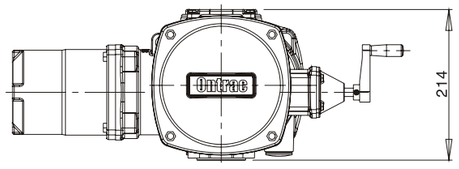
Technical Data and Dimension

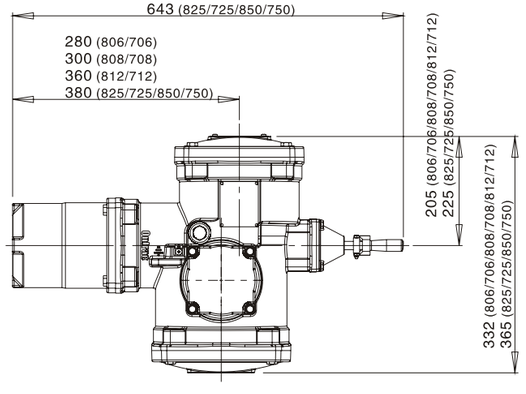
Technical Data for MME

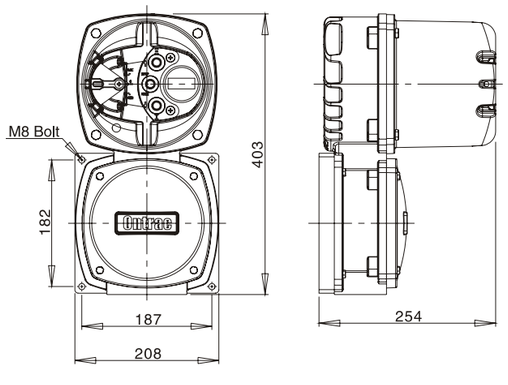
Combination	Tripping Torque	Switch–off Torque	Speed
MME 806	25 Nm	20–50 Nm	35 r.p.m
MME 808	40 Nm	32–80 Nm	35 r.p.m
MME 812	75 Nm	60–150 Nm	35 r.p.m
MME 825	150 Nm	120–300 Nm	35 r.p.m
MME 850	300 Nm	240–600 Nm	35 r.p.m
MME 890	600 Nm	480–1200 Nm	32 r.p.m

Technical Data for MOE

Combination	Switch–off Torque	Speed
MOE 706S	6–15 Nm	180 r.p.m
MOE 706R	10–25 Nm	92 r.p.m
MOE 706M	20–50 Nm	35 r.p.m
MOE 708S	12–30 Nm	180 r.p.m
MOE 708R	20–50 Nm	92 r.p.m
MOE 708M	32–80 Nm	35 r.p.m
MOE 712S	24–60 Nm	180 r.p.m
MOE 712R	40–100 Nm	92 r.p.m
MOE 712M	60–150 Nm	35 r.p.m
MOE 725S	50–125 Nm	180 r.p.m
MOE 725R	80–200 Nm	92 r.p.m
MOE 725M	120–300 Nm	35 r.p.m
MOE 750R	160–400 Nm	92 r.p.m
MOE 750P	200–500 Nm	72 r.p.m
MOE 790R	260–650 Nm	92 r.p.m
MOE 790P	400–1000 Nm	72 r.p.m



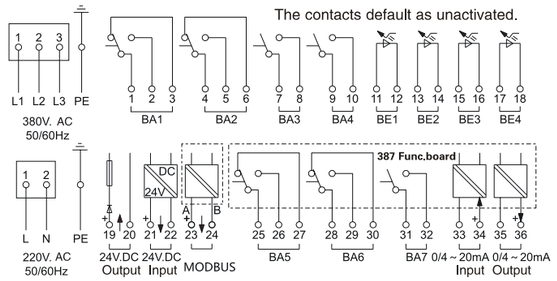




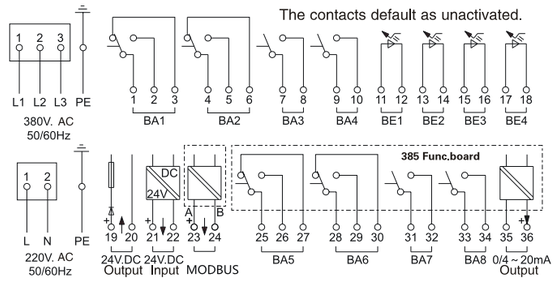
Ontrac® Ontrac Split Electric Actuators

Electrical wiring for digital/analog input

Analog input (Modulating)



Digital input (ON/OFF)



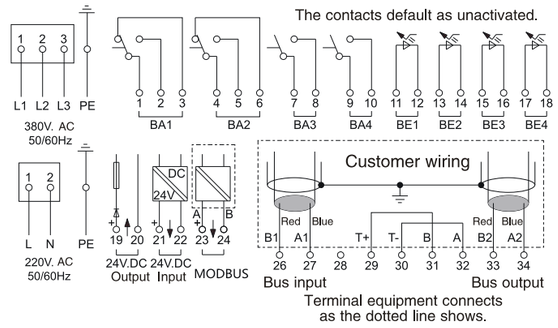
Output Ports Setting

BA1	01	Ready to run
BA2	02	Failure alarm
BA3	03	Open to end position
BA4	04	Closed to end position
BA5	05	Exceeded torque in OPEN
BA6	06	Exceeded torque in CLOSED
BA7	07	Intermediate position 1
BA8	08	Intermediate position 2

Input Ports Setting

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

Electrical wiring for Profibus–DP



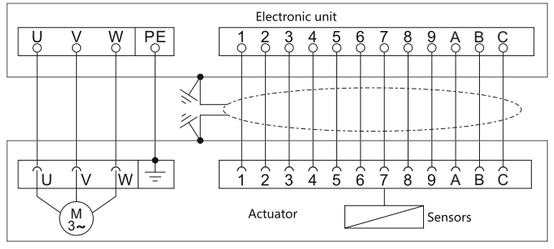
Output Ports Setting

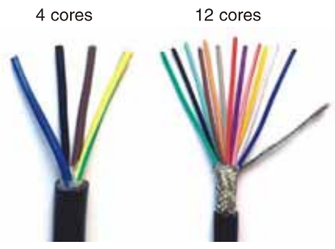
BA1	01	Ready to run
BA2	02	Failure alarm
BA3	03	Open to end position
BA4	04	Closed to end position

Input Ports Setting

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

Connection Diagram





Cable	Material	Sectional area/core	Extreme temp.	Shielding layer	No. of cores	Length
Control cable	Copper	0.5 ~ 1.5mm²	90 ~ 150℃ (On request)	Yes	12	⩽10m
Power cable	Copper	2.5 ~ 4mm² Power < 1.5KW, 2.5mm² Power > 3KW, 4mm²	90 ~ 150℃ (On request)	Optional	4	⩽10m