

ESM-150
High Voltage DC Contactor

PRODUCT VISUAL

SOURCE IMAGE NOT AVAILABLE

source image

KEY RATINGS

RATED COIL VOLTAGE (US)

12V DC / 24V DC /
(10~32)V...

OPERATING VOLTAGE RANGE

±20%Us / ±20%Us /
±10%Us...

MAX PULL-IN VOLTAGE

9.6Vmax / 19Vmax /
9Vmax...

MIN DROP-OUT VOLTAGE

1.2Vmin / 2.4Vmin / 4Vmin
/...

CONTACT FORM

1 Form A (SPST-NO)

RATED LOAD CURRENT

150 A

OVERVIEW

- ✓ Ceramic brazing sealing technology, no arc leakage risk, no bursting
- ✓ Compact structure, low operating noise
- ✓ Insulation resistance up to 1000 MΩ (1500VDC), compliant with IEC60664-1
- ✓ Hydrogen-based gas filling for fast arc cooling and quenching, prevents contact oxidation a...
- ✓ 150A continuous carrying capability at 85°C

COIL DATA

Rated Coil Voltage (Us)	12V DC / 24V DC / (10~32)V DC /...
Operating Voltage Range	±20%Us / ±20%Us / ±10%Us / ±10%Us
Max Pull-in Voltage	9.6Vmax / 19Vmax / 9Vmax / 32 Vmax
Min Drop-out Voltage	1.2Vmin / 2.4Vmin / 4Vmin / 12Vmin
Coil Power	On 50W, Hold 5W / On 50W, Hold 5W /...

CONTACT RATINGS

Contact Form	1 Form A (SPST-NO)
Rated Load Current	150 A
Mechanical Life	3×10 ⁵ Ops
Max Switching Voltage	1500 VDC
Max Breaking Current	2000(1000V DC) 1 □
Short-time Withstand Current	300A: 10min; 500A: 300s; 1500A: 15s
Contact Resistance	<10 mΩ
Electrical Life	

ELECTRICAL CHARACTERISTICS

Operate Time (rated voltage)	≤40 ms
Release Time (rated voltage)	≤15 ms
Insulation Resistance	1000 (1500VDC)

ENVIRONMENTAL / OPTIONS

Shock	
Vibration	10Hz~500Hz 49 m/s²
Operating Temperature	-40~+85°C
Operating Humidity	5%~85%RH
Load Terminal	internal thread
Weight	1080 g

MECHANICAL OUTLINE / DIMENSIONS

Outline image recorded in source PDF

CIRCUIT / MARKING / TERMINAL VIEW

Connection figure not available

ORDERING & SOURCE TRACEABILITY

ESM-150A/1500-12-F4(XXX) — High Voltage DC Contactor

Source: ESM□□□□□□□□□□□□ V2.0.pdf

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