

Load disconnect switches and motor starters



Load disconnect switch

100 A, fused

7150/5-V11-D32-AA-0000-0 Art. No. 286706



- 3-pole horsepower (hp) rated switch
- Suitable for voltages up to 600 V AC/240 V DC – limitations may apply
- Robust, lockable rotary actuator
- Lightweight construction
- Stainless steel 1.4404 (AISI 316L), brush finished
- Suitable for low ambient temperatures
- Enclosure type 3, 4, 4X, IP66
- No conduit seal required
- Class I, Div. 2/AEx Zone 2

MY R. STAHL 7150A



Our switches are designed specifically for hazardous areas and harsh environments and have a corrosion-resistant enclosure and a wide temperature range. Ideal for installation in the immediate vicinity of field devices such as panels, motors, skids or machines. No matter whether these are disconnectors which fully interrupt the power supply during service or maintenance work, or change-over switches which ensure a continuous power supply to important devices, our solutions offer unsurpassed reliability. Our standard solutions do not have pre-installed inputs, giving users the flexibility to adapt their own inputs depending on size, location and type. They are designed to withstand challenging conditions while ensuring safety and ease of use in a range of applications.

Technical Data

Explosion Protection

| | |
|---------------------|---|
| Area of application | Canada USA |
| FMus certificate | FM17US0039X |
| cFM certificate | FM17CA0023X |
| Marking FMus | Class I, Div. 2, Groups A,B,C,D; T4; Enclosure Type 3, 4, 4X |
| Marking cFM | Class I, Div. 2, Groups A,B,C,D; T4; Enclosure Type 3, 4, 4X |
| Marking cFM note | Zone 2 IIC according to Canadian Electrical Code Table 18 |
| Certificates | Canada (FM), USA (FM) |

Electrical Data

| | |
|-------------------------------------|--|
| Rated operational voltage AC | 600 V |
| Rated operational voltage DC 1-pole | 60 V |
| Rated operational voltage DC 2-pole | 125 V |
| Rated operational voltage DC 3-pole | 240 V |
| Rated operational current | 100 A |
| Nominal power | 75 hp |
| Nominal power note | Nominal power (hp) in relation to rated operating voltage 480 V AC |
| Fuse | 150 A J-type |
| Auxiliary contact NC | without |
| Auxiliary contact NO | without |
| Short circuit protection (sym RMS) | 25 kA |
| Frequency range | 50 – 60 Hz |

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Auxiliary Power

Nominal voltage 480 V AC

Ambient Conditions

Ambient temperature -40°C ... +55°C

Ambient temperature -40°F ... +131°F

Mechanical Data

Degree of protection (IP) IP66

Enclosure type (UL50 & UL50E) 3, 4, 4X

Enclosure material Stainless steel 1.4404, (AISI 316L), brush finished

Additional terminal without

Connection cross section, stranded min. 10 AWG

Connection cross section, stranded max. 300 kcmil

Construction type Standard

Width 480 mm

Width, inches 18.9 in

Height 787 mm

Height in inches 30.98 in

Depth 283 mm

Depth in inches 11.14 in

Service life, min. 10⁵ operating cycles

Handle colour Black

Protective collar colour Black

Seal Silicone, foamed

Lockable in Three times in 0 position

Detailed number of poles 3-pole

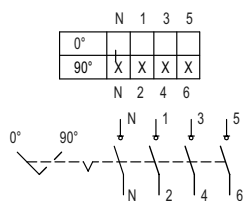
Weight 74.8 kg

Weight 165 lb

Components

Entries without

Technical Drawings – Subject to Alterations



Switching arrangement 8544/1-4 and 8549/1-4

Load disconnect switches and motor starters

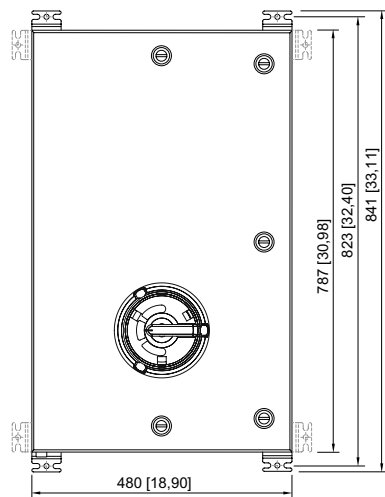
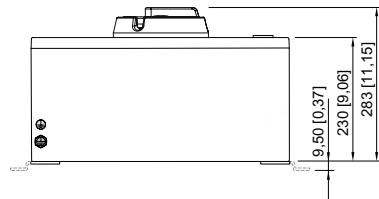


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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



7150/5-V11-D32-AA-0000-0
7150/5-V11-D08-AA-0000-0

Accessories

Ex e cable glands for MC, MC-HL, combined and "TECK" armouring Series TMC

Art. No.

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| | | |
|--|---|--------|
|  | Thread size: NPT1/2 Clamping range: 8.7 ... 12.7 mm Clamping range inch: 0.34 ... 0.5 in Nickel-plated brass | 254316 |
| | Thread size: NPT1/2 Clamping range: 13 ... 17 mm Clamping range inch: 0.51 ... 0.67 in Nickel-plated brass | 254317 |
| | Thread size: NPT3/4 Clamping range: 15 ... 23.3 mm Clamping range inch: 0.59 ... 0.92 in Nickel-plated brass | 106090 |
| | Thread size: NPT1 Clamping range: 19.8 ... 29.2 mm Clamping range inch: 0.78 ... 1.15 in Nickel-plated brass | 106091 |
| | Thread size: NPT1-1/4 Clamping range: 27.5 ... 35.2 mm Clamping range inch: 1.08 ... 1.39 in Nickel-plated brass | 254320 |
| | Thread size: NPT1-1/2 Clamping range: 33.5 ... 41.1 mm Clamping range inch: 1.32 ... 1.62 in Nickel-plated brass | 254321 |
| | Thread size: NPT2 Clamping range: 38.3 ... 47.1 mm Clamping range inch: 1.51 ... 1.85 in Nickel-plated brass | 254322 |
| | Thread size: NPT2 Clamping range: 45 ... 53 mm Clamping range inch: 1.77 ... 2.09 in Nickel-plated brass | 254323 |
| | Thread size: NPT2-1/2 Clamping range: 52.1 ... 58.9 mm Clamping range inch: 2.05 ... 2.32 in Nickel-plated brass | 254324 |
| | Thread size: NPT2-1/2 Clamping range: 57.1 ... 64.6 mm Clamping range inch: 2.25 ... 2.54 in Nickel-plated brass | 254325 |
| | Thread size: NPT3 Clamping range: 64.6 ... 75.3 mm Clamping range inch: 2.54 ... 2.96 in Nickel-plated brass | 254326 |
| | Thread size: NPT3-1/2 Clamping range: 74 ... 88.5 mm Clamping range inch: 2.91 ... 3.48 in Nickel-plated brass | 254327 |

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Metal Ex e conduit hubs Series 8166

Art. No.

| | | |
|--|---|--------|
|  | Thread size: NPT1/2 Typ: 8166/11-01-NE | 139082 |
| | Thread size: NPT3/4 Typ: 8166/11-02-NE | 139083 |
| | Thread size: NPT1 Typ: 8166/11-03-NE | 139084 |
| | Thread size: NPT1-1/4 Typ: 8166/11-04-NE | 139085 |
| | Thread size: NPT1-1/2 Typ: 8166/11-05-NE | 139086 |
| | Thread size: NPT2 Typ: 8166/11-06-NE | 139087 |
| | Thread size: NPT2-1/2 Typ: 8166/11-07-NE | 139088 |

Auxiliary contact


Art. No.

| | | |
|---|--|--|
|  | Note: The auxiliary contacts can only be retrofitted for 40 A, 63 A and 80 A versions. For all other versions, the auxiliary contact must be ordered separately when placing the order. Retrofitting is not possible for this. | |
|---|--|--|

Spare Parts

Load/motor switch / Load disconnect switch

Art. No.

| | | |
|--|--|--------|
|  | 100 A, 125 A and 150 A No. of poles: 3 P Type: 8549/1-32 Load/motor switch / Load disconnect switch | 171181 |
|--|--|--------|

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.