

Load disconnect switches and motor starters



Manual transfer switch

60 A, non-fused

7146/5-V11-H06-00-0500-0 Art. No. 286740



- 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
- Glass fibre reinforced polyester (GRP)
- 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 7146A



Our switches are specifically engineered for hazardous locations and harsh environments with a corrosion resistant enclosure and wide temperature range. Ideal for close proximity installation of field equipment such as control panels, motors, skids or machinery. Whether the requirement is for disconnect switches to completely de-energize for service or maintenance tasks, or transfer switches to ensure continuous power supply to essential equipment, our solutions offer unmatched reliability. With our standard solutions, entries are not pre-installed, providing users with the flexibility to customized their own entries based on size, location and type. Built to withstand demanding conditions while ensuring safety and ease of use in various applications.

Technical Data

Explosion Protection

Area of application	Canada USA
FMus certificate	FM18US0275X
cFM certificate	FM18CA0132X
Marking FMus	Class I, Div. 2, Groups A,B,C,D; T5; Enclosure Type 3, 4, 4X
Marking cFM	Class I, Div. 2, Groups A,B,C,D; T5; Enclosure Type 3, 4, 4X
Marking cFM note	Zone 2 IIC per 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	60 A
Nominal power	40 hp
Nominal power note	Nominal power (hp) in relation to rated operating voltage 480 V AC
Auxiliary contact NC	without
Auxiliary contact NO	without
Short circuit protection (sym RMS)	20 kA
Additional short-circuit protection	Additional fuse necessary
Short-circuit protection note	Required back-up fuse in the electrical circuit
Frequency range	50 – 60 Hz

Load disconnect switches and motor starters



Manual transfer switch

60 A, non-fused

7146/5-V11-H06-00-0500-0 Art. No. 286740

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 Polyester, Glass fibre reinforced

Additional terminal Main contact on terminals

Connection cross section, stranded min. 10 AWG

Connection cross section, stranded max. 1/0 AWG

Construction type Standard

Width 340.5 mm

Width, inches 13.41 in

Height 681.5 mm

Height in inches 26.83 in

Depth 203 mm

Depth in inches 7.99 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

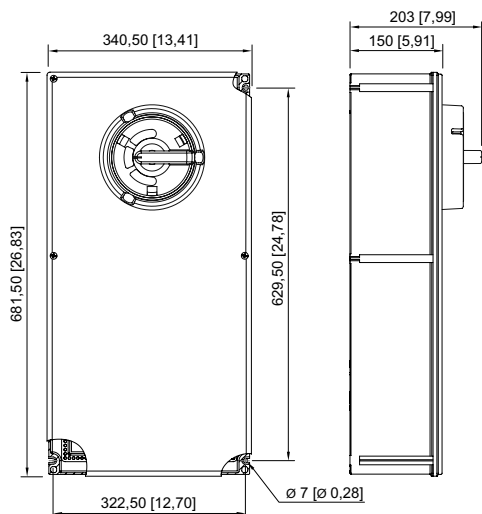
Weight 13 kg

Weight 28.66 lb

Components

Entries without

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



7146/5-V11-H06-00-0500-0
7146/5-V11-H07-00-0500-0
8146/5-V11-H06-00-0500-0
8146/5-V11-H07-00-0500-0

Load disconnect switches and motor starters



Manual transfer switch

60 A, non-fused

7146/5-V11-H06-00-0500-0 Art. No. 286740

Accessories

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

Art. No.

	Art. No.
 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

Load disconnect switches and motor starters



Manual transfer switch

60 A, non-fused

7146/5-V11-H06-00-0500-0 Art. No. 286740

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.

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.