

# Load disconnect switches and motor starters



## Manual transfer switch

100 A, fused

7146/5-V11-H32-AA-0500-0 Art. No. 286749



- 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
Marking FMus	Class I, Div. 2, Groups A,B,C,D; T4; Enclosure Type 3, 4, 4X
cFM certificate	FM18CA0132X
Marking cFM	Class I, Div. 2, Groups A,B,C,D; T4; 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	100 A
Frequency range	50 – 60 Hz
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

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### Auxiliary Power

Nominal voltage	480 V AC
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### Ambient Conditions

Ambient temperature	-40°C ... +55°C
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Ambient temperature	-40°F ... +131°F
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### Mechanical Data

Degree of protection (IP)	IP66
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Enclosure type (UL50 & UL50E)	3, 4, 4X
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Enclosure material	Polyester, Glass fibre reinforced
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Additional terminal	Main contact on terminals
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Connection cross section, stranded min.	10 AWG
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Connection cross section, stranded max.	300 kcmil
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Construction type	Standard
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Width	681.5 mm
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Width, inches	26.83 in
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Height	1022 mm
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Height in inches	40.24 in
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Depth	243 mm
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Depth in inches	9.57 in
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Service life, min.	10 <sup>5</sup> operating cycles
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Handle colour	Black
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Protective collar colour	Black
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Seal	Silicone, foamed
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Lockable in	Three times in 0 position
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Detailed number of poles	3-pole
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Weight	40 kg
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### Components

Entries	without
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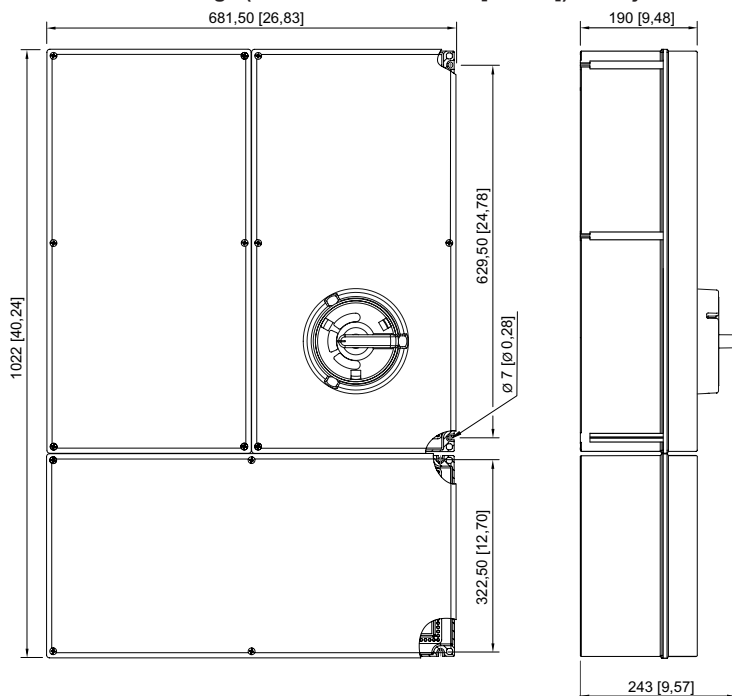
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### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



- 7146/5-V11-H08-00-0500-0
- 7146/5-V11-H08-AA-0500-0
- 7146/5-V11-H09-00-0500-0
- 7146/5-V11-H32-00-0500-0
- 7146/5-V11-H32-AA-0500-0
- 8146/5-V11-H08-00-0500-0
- 8146/5-V11-H09-00-0500-0
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### Accessories

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

	Art. No.
 <p>Thread size: NPT1/2 Clamping range: 8.7 ... 12.7 mm Clamping range inch: 0.34 ... 0.5 in Nickel-plated brass</p>	254316
<p>Thread size: NPT1/2 Clamping range: 13 ... 17 mm Clamping range inch: 0.51 ... 0.67 in Nickel-plated brass</p>	254317
<p>Thread size: NPT3/4 Clamping range: 15 ... 23.3 mm Clamping range inch: 0.59 ... 0.92 in Nickel-plated brass</p>	106090
<p>Thread size: NPT1 Clamping range: 19.8 ... 29.2 mm Clamping range inch: 0.78 ... 1.15 in Nickel-plated brass</p>	106091
<p>Thread size: NPT1-1/4 Clamping range: 27.5 ... 35.2 mm Clamping range inch: 1.08 ... 1.39 in Nickel-plated brass</p>	254320
<p>Thread size: NPT1-1/2 Clamping range: 33.5 ... 41.1 mm Clamping range inch: 1.32 ... 1.62 in Nickel-plated brass</p>	254321
<p>Thread size: NPT2 Clamping range: 45 ... 53 mm Clamping range inch: 1.77 ... 2.09 in Nickel-plated brass</p>	254323
<p>Thread size: NPT2-1/2 Clamping range: 52.1 ... 58.9 mm Clamping range inch: 2.05 ... 2.32 in Nickel-plated brass</p>	254324
<p>Thread size: NPT2-1/2 Clamping range: 57.1 ... 64.6 mm Clamping range inch: 2.25 ... 2.54 in Nickel-plated brass</p>	254325
<p>Thread size: NPT3 Clamping range: 64.6 ... 75.3 mm Clamping range inch: 2.54 ... 2.96 in Nickel-plated brass</p>	254326
<p>Thread size: NPT3-1/2 Clamping range: 74 ... 88.5 mm Clamping range inch: 2.91 ... 3.48 in Nickel-plated brass</p>	254327

#### Auxiliary contact

	Art. No.
 <p>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. Ret-rofitting is not possible for this.</p>	

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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.