

Load disconnect switches and motor starters



Load disconnect switch

25 A, non-fused

7146/5-V11-E03-00-0000-0 Art. No. 286734



- 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	25 A
Nominal power	15 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

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Auxiliary Power

Nominal voltage	480 V AC
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Ambient Conditions

Ambient temperature	-50°C ... +55°C
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Ambient temperature	-58°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	without
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Connection cross section, stranded min.	12 AWG
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Connection cross section, stranded max.	6 AWG
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Construction type	Standard
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Width	170 mm
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Width, inches	6.69 in
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Height	227 mm
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Height in inches	8.94 in
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Depth	171 mm
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Depth in inches	6.73 in
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Service life, min.	10 ⁵ 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 + N
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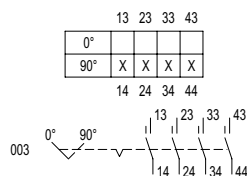
Weight	3.63 kg
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Weight	8 lb
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Components

Entries	without
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Technical Drawings – Subject to Alterations



Switching arrangement 8006/4-003-00

Load disconnect switches and motor starters

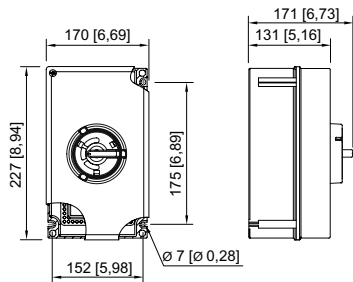


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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



7146/5-V11-E03-00-0000-0

7146/5-V11-E04-00-0000-0

7146/5-V11-H01-00-0500-0

8146/5-V11-E03-00-0000-0

8146/5-V11-E04-00-0000-0

8146/5-V11-H01-00-0500-0

Accessories

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

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Load disconnect switch

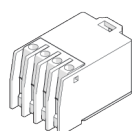
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	Thread size: NPT1/2 Clamping range: 8.7 ... 12.7 mm Clamping range inch: 0.34 ... 0.5 in Nickel-plated brass	254316
	Thread size: NPT1/2 Clamping range: 13 ... 17 mm Clamping range inch: 0.51 ... 0.67 in Nickel-plated brass	254317
	Thread size: NPT3/4 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

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. Retro-fitting is not possible for this.

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Spare Parts

Load/motor switch		Art. No.
	25 A, 30 A and 32 A Number of poles: 4 P Type: 8006/4-003-00 Load/motor switch	169492

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.