

Load & Motor Disconnect Switches



Load disconnect switch

30 A, fused

7146/5-V11-E04-AA-0000-0 Art. No. 286737



- 3-pole horsepower (hp) rated switch
- Suitable for voltages up to 600 V AC / 240 V DC - restrictions may apply
- Pad lockable robust rotary handle
- Lightweight construction
- Fiberglass reinforced polyester (FRP)
- Suitable for low ambient temperatures
- Enclosure type 3, 4, 4X, IP66
- No conduit seals 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 current	30 A
Frequency range	50 – 60 Hz
Horsepower rating	20 hp
Horsepower rating note	Horsepower rating (hp) in relation to rated operating voltage 480 V AC
Fuse	40/50 A J-type
Auxiliary contact NC	without
Auxiliary contact NO	without
Short circuit protection (sym RMS)	10 kA

Auxiliary Power

Nominal voltage V_{nom}	480 V AC
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Ambient Conditions

Ambient temperature °C	-40°C ... +55°C
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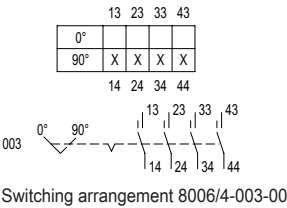
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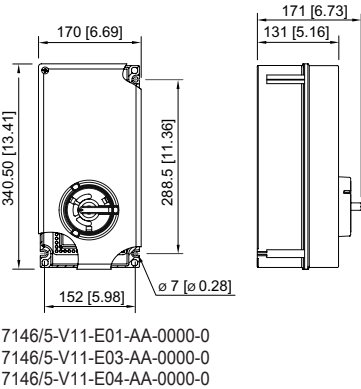
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Ambient Conditions	
Ambient temperature °F	-40°F ... +131°F
Mechanical Data	
Degree of protection (IP)	IP66
Enclosure type (UL50 & UL50E)	3, 4, 4X
Enclosure material	Polyester, Fiberglass Reinforced Polyester (FRP)
Additional terminal	without
Connection cross section, stranded min.	12 AWG
Connection cross section, stranded max.	6 AWG
Seal	Silicone, foamed
Detailed number of poles	3-pole + N
Construction type	Standard
Width	170 mm
Width, inches	6.69 in
Height	340.5 mm
Height in inches	13.41 in
Depth	171 mm
Depth in inches	6.73 in
Service life, min.	10 ⁵ operating cycles
Handle color	Black
Protective collar color	Black
Lockable in	OFF – 3 positions
Weight	5.9 kg
Weight	13 lb
Components	
Entries	without

Technical Drawings – Subject to Alterations



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



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STAHL

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Accessories

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

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: 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

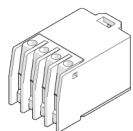
254326

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. Retrofitting 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.