



- Can be used with conventional drives and drives controlled by frequency converters
- intelligent design: A single rotary actuator for actuating both main and auxiliary contacts,  $\geq 20$  ms leading auxiliary contact for safely disconnecting the frequency converter
- reliable load disconnect switch with positively opening main contacts

WebCode **8146M**



R. STAHL's 8146/5-V11 series load disconnect switches can be used as mains connection switches for distributor systems and motor circuits. The standard variants are designed for rated operational currents of up to 80 A – currents of 16-630 A are possible. They have AC-3, AC-23 and DC-23 motor switching capacity. They have a large, padlockable rotary actuator in black or red/yellow.

### Technical Data

#### Explosion Protection

Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 06.0090
IECEX gas explosion protection	Ex db eb IIC T6 Gb
IECEX dust certificate	IECEX PTB 06.0090
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
ATEX gas certificate	PTB 01 ATEX 1024
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6 Gb
ATEX dust certificate	PTB 01 ATEX 1024
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T80 °C Db

#### Electrical Data

Rated operational current	16 A (T6)
Short-circuit protection max.	25 A
Tripping characteristic	gG
Frequency range	50 – 60 Hz

#### Ambient Conditions

Ambient temperature	-40°C ... +48°C
Extended ambient temperature min.	-40°C
Extended ambient temperature max.	+66°C
Extended ambient temperature	-40 ... +66 °C

#### Mechanical Data

Degree of protection (IP)	IP66
Enclosure material	Polyester
Conductor cross-section min.	2.5 mm <sup>2</sup>
Conductor cross-section min. 2	0 mm <sup>2</sup>

# Load Disconnect Switches and Motor Starters

## Load disconnect switch



8146/5-V11-402-00-0050 Art. No. 205679

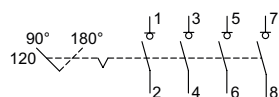
### Mechanical Data

Conductor cross-section max.	6 mm <sup>2</sup>
Dimension A	170 mm
Dimension B	112.5 mm
Dimension C	132 mm
Service life, min.	10 <sup>6</sup> operating cycles
Colour of handle	Black
Colour of protective collar	Black
Detailed number of poles	3-pole + N
Weight	1.73 kg
Weight	3.81 lb

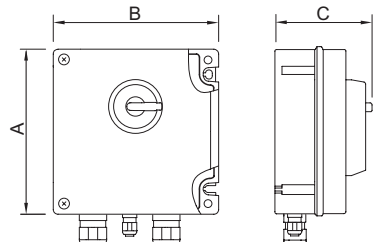
### Components

Cable entries	2 x M25 Ø 7 – 17 mm 1 x M20 Ø 4 – 13 mm
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### Technical Drawings – Subject to Alterations



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



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.