Load disconnect switches and motor starters

Circuit protection assembly Miniature circuit breaker

8150/5-V50-03020-277-30-000-00-000 Art. No. 338488



- Lightweight construction
- Stainless steel 1.4404 (AISI 316L), brush finished for corrosion resistance
- Suitable for low ambient temperatures
- Enclosure type 3, 4, 4X, IP66
- No conduit seal required – Cable gland entry and sealed circuit breaker enclosure
- International approvals for worldwide use

MY R. STAHL **8150T**

V50 Series circuit breaker assemblies are designed for hazardous locations and harsh environments, featuring a corrosion-resistant stainless steel enclosure and dependable circuit protection. Ideal for installation near control panels, motors, skids, and machinery, they combine molded case and miniature circuit breaker technology with high short-circuit switching capacity. The modular design enables easy expansion and maintenance, while ergonomic padlockable rotary actuators enhance operational and personnel safety. Supplied without preinstalled entries, the V50 provides flexible cable configuration and long-term reliability in demanding applications.

Technical Data

Explosion Protection	
Area of application	European Union (ATEX) IECEx USA Canada (CSA)
Application range (zones)	1, 2, 21, 22
IECEx gas certificate	IECEx PTB 09.0049
IECEx gas explosion protection	Ex db eb IIC T4 Gb
IECEx dust certificate	IECEx PTB 09.0049
IECEx dust explosion protection	Ex tb IIIC T95 °C Db
ATEX gas certificate	PTB 09 ATEX 1109
ATEX gas explosion protection	II 2 G Ex db eb IIC T4 Gb
ATEX dust certificate	PTB 09 ATEX 1109
ATEX dust explosion protection	II (2) D Ex tb IIIC T95 °C Db
Certificate FMus	FM24US0069X
Marking FMus	Cl.I, Div.2 Gps.A,B,C,D, T4 Cl.II, Cl.III, Div.1, Div. 2 Gps.E,F,G, T4 Class I, Zone 1 AEx db eb IIC T4 Gb -35°C ≤ Ta ≤ +55°C Type 3, 4, 4x and IP66
cFM certificate	FM24CA0028X
Marking cFM	Cl.I, Div.2 Gps.A,B,C,D, T4 Cl.II, Cl.III, Div.1, Div. 2 Gps.E,F,G, T4 Ex db eb IIC T4 -35°C ≤ Ta ≤ +55°C Type 3, 4, 4x and IP66
Certificates	ATEX (PTB), Canada (FM), IECEx (PTB), USA (FM)

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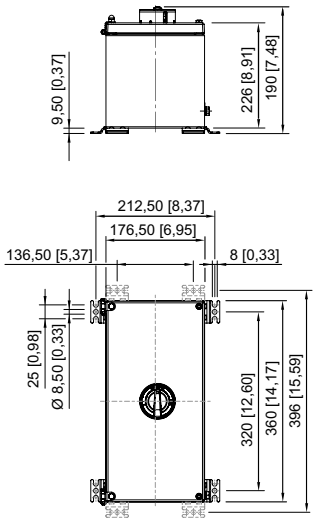
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Electrical Data	
AC rated operational voltage	480Y/277 V
Rated operating voltage DC	12 … 96 V
Rated operational current	20 A
Frequency	50 / 60 Hz
Rated switching capacity	10 kA
Electrical service life	2 x 10^4
Mechanical service life	2 x 10^4
No. of poles	3-pole
Tripping characteristic	C
Ambient Conditions	
Ambient temperature	-40 °C ... 55 °C
Ambient temperature	-40 °F ... 131 °F
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP66/IP2X
Enclosure material	Stainless steel 1.4404, (AISI 316L), brush finished
Connection cross-section	1.5 ... 25 mm²
Connection cross-section AWG	16 AWG
Connection cross-section 2	1.5 ... 10 mm²
Connection cross-section 2 AWG	16 AWG ... 8 AWG
Seal	Silicone, foamed
Width	176 mm
Width, inches	6.92 in
Length	360 mm
Length in inches	14.17 in
Mounting depth	190 mm
Mounting depth in inches	7.48 in
Handle colour	Black
Protective collar colour	Black
Weight	7 kg
Weight	15.43 lb
Mounting / Installation	
Tightening torque	2 ... 3 N · m
Tightening torque lbf in	17.7 lbf in ... 26.6 lbf-in
Tightening torque auxiliary contact	0.4 ... 0.6 N · m
Tightening torque auxiliary contact lbf in	3.5 lbf-in ... 5.3 lbf-in
Components	
Cable gland	without

8150/5-V50-03020-277-30-000-00-000 Art. No. 338488

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



8150/5-V50-03-...-...-30-000-00-000

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.