

8523/81-08-107 Art. No. 218996



- Safe switching for protecting Ex e motors
- Release: Non-adjustable fast short-circuit release, adjustable thermal overcurrent release
- Undervoltage releases and shunt trips are also options
- Optional auxiliary contacts: 1 NC + 1 NO or 2 NC + 2 NO

MY R. STAHL 8523A



R. STAHL Series 8523/8 motor protection moulded case circuit breakers protect and switch Ex e motors with a non-adjustable fast short-circuit release and a thermal overcurrent release adjustable at the switch. The switch is actuated using a rotary actuator and the switching position is always easy to see. You can set different current ranges.

Technical Data

Explosion Protection

Application range (zones)	1, 2
IECEEx gas certificate	IECEEx BVS 08.0039U
IECEEx gas explosion protection	Ex db eb IIC Gb
IECEEx firedamp certificate	IECEEx BVS 08.0039U
IECEEx firedamp protection	Ex db eb I Mb
ATEX gas certificate	DMT 01 ATEX E 153 U
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC Gb
ATEX firedamp certificate	DMT 01 ATEX E 153 U
ATEX firedamp protection	Ex I M2 Ex db eb I Mb
Certificates	ATEX (BVS), Brazil (ULB), Canada (FM), IECEEx (BVS), USA (FM)

Electrical Data

AC rated operational voltage	690 V
Tension voltage	0.85xUc
Drop-out voltage	0.7...0.35xUc
Frequency	50/60 Hz
Switching capacity	12.5 kW/400 V
Release	Undervoltage release
AC release voltage	400 V
Current-setting range	2.5 – 4 A
No. of poles	3

Ambient Conditions

Ambient temperature	-20 °C ... +60 °C
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Mechanical Data

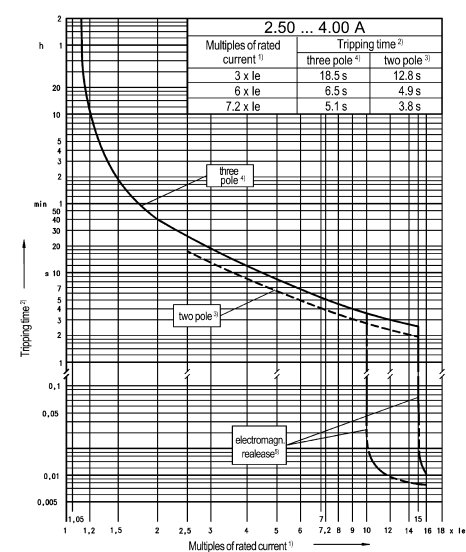
Enclosure material	Epoxy resin or polyester resin
Connection cross section min.	1.5 mm ²
Max. connection cross section, solid	10 mm ²

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Mechanical Data

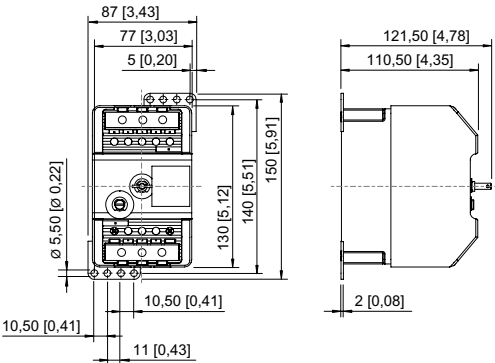
Max. connection cross-section, finely stranded	10 mm²
Service life, min.	10 ⁵ operating cycles
Enclosure size	130 mm x 80 mm x 110.5 mm
Weight	1.42 kg
Weight	3.13 lb

Technical Drawings – Subject to Alterations



- ¹⁾ Multiple of the nominal current
- ²⁾ Tripping time
- ³⁾ 2-pole
- ⁴⁾ 3-pole
- ⁵⁾ Electromagnetic tripping

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



8523/81
moulded case circuit breaker for motor protection
Design size 1, without auxiliary contacts

Accessories

Cable jumper



for undervoltage release, length: 300 mm
(two jumpers necessary)

Art. No.

147121

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