

8523/82-07-127 Art. No. 217732



- 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	1.6 – 2.5 A
Auxiliary contacts	1 NC + 1 NO
Rated operating voltage HIKO	500 V
No. of poles	3

Ambient Conditions

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

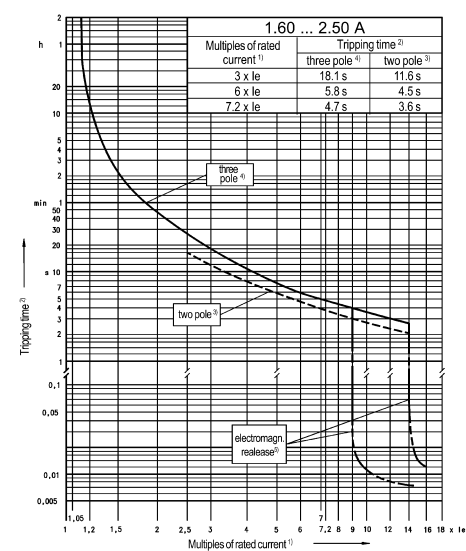
Enclosure material	Epoxy resin or polyester resin
Connection cross section min.	1.5 mm ²

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Mechanical Data

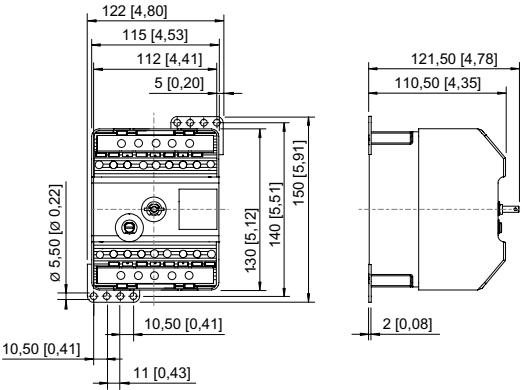
Max. connection cross section, solid	10 mm²
Max. connection cross-section, finely stranded	10 mm²
Min. aux. cont. con. cr.-sect.	0.75 mm²
Max. auxiliary contact connection cross-section, solid	2.5 mm²
Max. auxiliary contact connection cross section, finely stranded	1.5 mm²
Service life, min.	10 ⁵ operating cycles
Enclosure size	130 mm x 115 mm x 110.5 mm
Weight	1.9 kg
Weight	4.19 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



8523/82
 moulded case circuit breaker for motor protection
 Design size 2, with auxiliary contacts

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Accessories

Cable jumper		Art. No.
	for undervoltage release, length: 300 mm (two jumpers necessary)	147121

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.