

8544/1-41 Art. No. 167240



- Three-pole and three-pole +N load disconnect switch with isolating functions that complies with IEC/EN 60947-4
- retrofittable: Pick-off terminal block, auxiliary contact, Ex i isolating element, N terminal, PE terminal, parallel drive, adaptor plate for connecting cable lugs
- auxiliary contacts with lagging, leading or synchronised switching

WebCode **8544A**



R. STAHL's 8544 series load and motor switches are used as Ex d load disconnect switches: They isolate and switch electric circuits in hazardous areas. They can also be used in non-hazardous areas. The innovative switch concept boasts simple, clear connections and an advanced contact system. A variety of terminals and contacts can be retrofitted.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 09.0011 U
IECEX gas explosion protection	Ex db eb IIC T6
ATEX gas certificate	PTB 08 ATEX 1060 U
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6
Zones NEC 500	Class I, Zone 1
Zones NEC 505	Class I, Division 2
Gas Ex-type NEC 505	AEx
Certificates	ATEX (PTB), Brazil (ULB), Canada (FM), IECEX (PTB), USA (FM)

Electrical Data

Short-circuit strength	20 kA
Short-circuit protection max.	160 A
Tripping characteristic	gG

Auxiliary Power

Power dissipation max.	3.8 W
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Ambient Conditions

Ambient temperature	-30 °C ... +80 °C
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Mechanical Data

Degree of protection (IP)	IP20
Enclosure material	Polyamide / epoxy resin
Contact material	Silver stannic oxide
Connection terminals of auxiliary contact solid max.	2.5 mm ²

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Mechanical Data

Connection terminals of auxiliary contact finely stranded max.	2.5 mm ²
Connection terminals stranded max.	50 mm ²
Connection terminals of auxiliary contact min.	1.5 mm ²
Connection cross-section	50 mm ²
Connection cross-section min.	6 mm ²
Connection cross-section solid max.	10 mm ²
Connection cross-section finely stranded max.	50 mm ²
Service life, min.	10 ⁴ operating cycles
Detailed number of poles	3 P + N
Weight	2.8 kg
Weight	6.17 lb

Mounting / Installation

Connection type	Screw terminal
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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.