



- Electric line and system protection for Ex e and Ex d motors
- Robust enclosure made from glass fibre-reinforced polyester resin
- Optional: Undervoltage release, shunt trip, ammeter, auxiliary contact

E7

WebCode **8146N**



R. STAHL's 8146/5-V27 series moulded case circuit breakers for motor protection protect Ex e and Ex d motors and their associated electric lines and systems. The standard variants feature an adjustable, phase-sensitive thermal overcurrent release or electromagnetic tripping mechanism, which has to be specified during the ordering process. They cannot be retrofitted.

| | IECEx / ATEX | | | | | |
|-----------------|--------------|---|---|----|----|----|
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | | • | • | | • | • |

| Selection Table | | | | | | | |
|-----------------------|----------------------|--------------------|--------------------------|-----------------------|----------------------------|----------|---------|
| Current-setting range | | 0.10 - 0.16 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-207-015-12-21-1 | 249192 | 2.61 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-208-015-12-21-1 | 249193 | 2.61 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-210-015-12-21-1 | 249194 | 2.61 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-201-015-02-21-1 | 249238 | 2.6 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-107-015-10-21-1 | 249151 | 2.61 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-108-015-10-21-1 | 249152 | 2.61 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-110-015-10-21-1 | 249153 | 2.61 kg |
| Current-setting range | | 0.16 - 0.25 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-207-025-12-21-1 | 249195 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-208-025-12-21-1 | 249196 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-210-025-12-21-1 | 249197 | 2.63 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-201-025-02-21-1 | 249239 | 2.6 kg |

| Selection Table | | | | | | | |
|-----------------------|----------------------|--------------------|--------------------------|-----------------------|----------------------------|----------|---------|
| Current-setting range | | 0.16 - 0.25 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-107-025-10-21-1 | 249154 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-108-025-10-21-1 | 249155 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-110-025-10-21-1 | 249156 | 2.63 kg |
| Current-setting range | | 0.25 - 0.40 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-035-12-21-1 | 249198 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-035-12-21-1 | 249199 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-035-12-21-1 | 249200 | 2.63 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-035-02-21-1 | 249240 | 2.6 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-035-10-21-1 | 249157 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-035-10-21-1 | 249158 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-035-10-21-1 | 249159 | 2.63 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-035-00-11-1 | 147184 | 2.6 kg |
| Current-setting range | | 0.40 - 0.63 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-045-12-21-1 | 249201 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-045-12-21-1 | 249202 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-045-12-21-2 | 277718 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-045-12-21-1 | 249203 | 2.63 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-045-02-21-1 | 249241 | 2.6 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-045-10-21-1 | 249160 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-045-10-21-1 | 249161 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-045-10-21-1 | 249162 | 2.63 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-045-00-11-1 | 147185 | 2.6 kg |
| Current-setting range | | 0.63 - 1.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-055-12-21-1 | 249204 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-055-12-21-1 | 249205 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-055-12-21-1 | 249206 | 2.63 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-055-02-21-1 | 249242 | 2.6 kg |

| Selection Table | | | | | | | |
|-----------------------|----------------------|--------------------|--------------------------|-----------------------|----------------------------|----------|---------|
| Current-setting range | | 0.63 - 1.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-055-10-21-1 | 249163 | 2.63 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-055-10-21-1 | 249164 | 2.63 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-055-10-21-1 | 249165 | 2.63 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-055-00-11-1 | 147186 | 2.6 kg |
| Current-setting range | | 1.00 - 1.60 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-065-12-21-1 | 249207 | 2.7 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-065-12-21-1 | 249208 | 2.7 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-065-12-21-1 | 249209 | 2.7 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-065-02-21-1 | 249243 | 2.63 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-065-10-21-1 | 249166 | 2.7 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-065-10-21-1 | 249167 | 2.7 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-065-10-21-1 | 249168 | 2.7 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-065-00-11-1 | 147187 | 2.63 kg |
| Current-setting range | | 1.60 - 2.50 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-075-12-21-1 | 249210 | 2.7 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-075-10-21-1 | 249171 | 2.7 kg |
| without | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-075-00-11-1 | 147188 | 2.63 kg |
| | | - | 2 x M25 Ø 7 – 17 mm | T6 | 8146/5-V27-501-072-00-11-1 | 277870 | 2.7 kg |
| | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-075-10-21-1 | 249169 | 2.7 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-075-10-21-1 | 249170 | 2.7 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-075-02-21-1 | 249244 | 2.63 kg |
| 1 NC 1 NO | Undervoltage release | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-075-12-21-1 | 249211 | 2.7 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-075-12-21-1 | 249212 | 2.7 kg |
| Current-setting range | | 2.50 - 4.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-085-12-21-1 | 249213 | 2.8 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-085-12-21-1 | 249214 | 2.8 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-085-12-21-1 | 249215 | 2.8 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-085-02-21-1 | 249245 | 2.63 kg |

| Selection Table | | | | | | | |
|-----------------------|----------------------|--------------------|--------------------------|-----------------------|----------------------------|----------|---------|
| Current-setting range | | 2.50 - 4.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-085-10-21-1 | 249172 | 2.8 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-085-10-21-1 | 249173 | 2.8 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-085-10-21-2 | 276475 | 2.8 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-085-10-21-1 | 249174 | 2.8 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-085-00-11-1 | 147189 | 2.63 kg |
| Current-setting range | | 4.00 - 6.30 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-095-12-21-1 | 249216 | 2.8 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-095-12-21-1 | 249217 | 2.8 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-095-12-21-1 | 249218 | 2.8 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-095-02-21-1 | 249246 | 2.63 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-095-10-21-1 | 249175 | 2.8 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-095-10-21-1 | 249176 | 2.8 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-095-10-21-1 | 249177 | 2.8 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-095-00-11-1 | 147190 | 2.63 kg |
| Current-setting range | | 6.30 - 9.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-105-12-21-1 | 249219 | 3 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-105-12-21-1 | 249220 | 3 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-105-12-21-1 | 249221 | 3 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-105-02-21-1 | 249247 | 2.85 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-105-10-21-1 | 249178 | 3 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-105-10-21-1 | 249179 | 3 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-105-10-21-1 | 249180 | 3 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-105-00-11-1 | 147191 | 2.85 kg |
| Current-setting range | | 9.00 - 12.50 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-207-115-12-21-1 | 249222 | 3.35 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-208-115-12-21-1 | 249223 | 3.35 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-210-115-12-21-1 | 249224 | 3.35 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-201-115-02-21-1 | 249248 | 3.2 kg |

| Selection Table | | | | | | | |
|-----------------------|----------------------|--------------------|--|-----------------------|----------------------------|----------|---------|
| Current-setting range | | 9.00 - 12.50 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-107-115-10-21-1 | 249183 | 3.35 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-108-115-10-21-1 | 249185 | 3.35 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-110-115-10-21-1 | 249186 | 3.35 kg |
| | without | - | 2 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-101-115-00-11-1 | 147192 | 3.2 kg |
| Current-setting range | | 12.50 - 16.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-207-125-12-21-1 | 249225 | 3.7 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-208-125-12-21-1 | 249226 | 3.7 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-210-125-12-21-1 | 249227 | 3.7 kg |
| 1 NO 1 NC | without | - | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-201-125-02-21-1 | 249249 | 3.55 kg |
| without | Undervoltage release | 230 V | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-107-125-10-21-1 | 249187 | 3.7 kg |
| | | 400 V | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-108-125-10-21-1 | 249188 | 3.7 kg |
| | | 500 V | 3 x M25 Ø 7 – 17 mm | T4 | 8146/5-V27-110-125-10-21-1 | 249189 | 3.7 kg |
| Current-setting range | | 16.00 - 20.00 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-407-135-12-41-1 | 249232 | 4.4 kg |
| | | 400 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-408-135-12-41-1 | 249233 | 4.4 kg |
| | | 500 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-410-135-12-41-1 | 249234 | 4.4 kg |
| 1 NO 1 NC | without | - | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 to 17 mm | T5 | 8146/5-V27-401-135-02-41-1 | 249250 | 4.25 kg |
| without | Undervoltage release | 230 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-307-135-10-41-1 | 249228 | 4.4 kg |
| | | 400 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-308-135-10-41-1 | 249229 | 4.4 kg |
| | | 500 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 – 17 mm | T5 | 8146/5-V27-310-135-10-41-1 | 249190 | 4.4 kg |
| | without | - | 2 x M32 Ø 9 to 21 mm | T5 | 8146/5-V27-301-135-00-31-1 | 147203 | 4.2 kg |
| Current-setting range | | 20.00 - 22.50 A | | | | | |
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| 1 NC 1 NO | Undervoltage release | 230 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 to 17 mm | T5 | 8146/5-V27-407-145-12-41-1 | 249235 | 4.4 kg |
| | | 400 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 to 17 mm | T5 | 8146/5-V27-408-145-12-41-1 | 249236 | 4.4 kg |
| | | 500 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 to 17 mm | T5 | 8146/5-V27-410-145-12-41-1 | 249237 | 4.4 kg |
| 1 NO 1 NC | without | - | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 to 17 mm | T5 | 8146/5-V27-401-145-02-41-1 | 249251 | 4.25 kg |

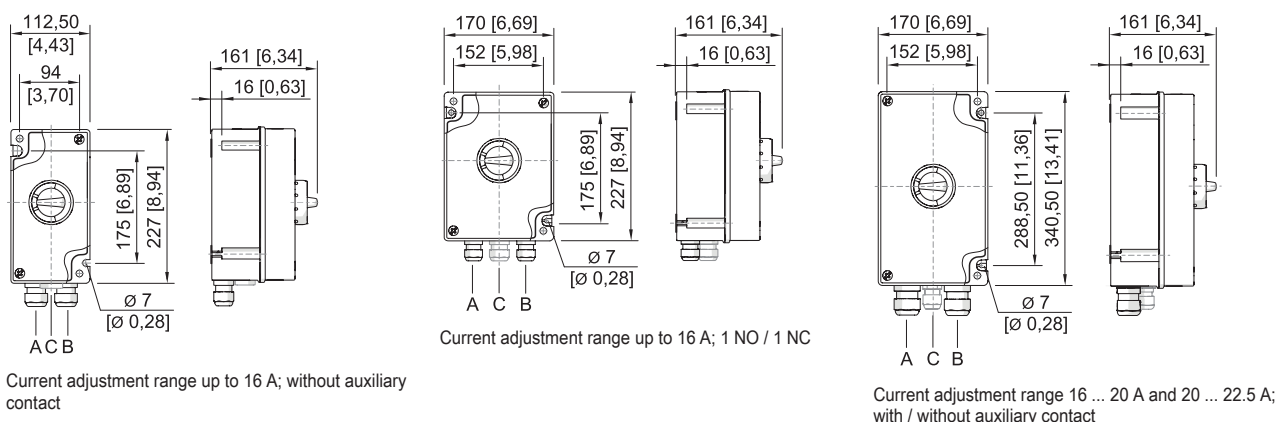
Selection Table

| Current-setting range | | 20.00 - 22.50 A | | | | | |
|-----------------------|----------------------|--------------------|--|-----------------------|----------------------------|----------|--------|
| Auxiliary contacts | Release | AC release voltage | Cable glands and entries | Gas temperature class | Product Type | Art. No. | Weight |
| without | Undervoltage release | 500 V | 1 x M20 Ø 4 ... 13 mm 2 x M25 Ø 7 - 17 mm | T4 | 8146/5-V27-110-145-10-51-1 | 249191 | 4.4 kg |
| | | 230 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 - 17 mm | T5 | 8146/5-V27-307-145-10-41-1 | 249230 | 4.4 kg |
| | | 400 V | 2 x M32 Ø 9 to 21 mm 1 x M25 Ø 7 - 17 mm | T5 | 8146/5-V27-308-145-10-41-1 | 249231 | 4.4 kg |
| | without | - | 2 x M32 Ø 9 to 21 mm | T5 | 8146/5-V27-301-145-00-31-1 | 147204 | 4.2 kg |

Technical Data

| Variant | Gas temperature class T6 | Gas temperature class T5 |
|---------------------------------|---|---|
| Explosion Protection | | |
| IECEx gas explosion protection | Ex db eb IIC T6 Gb | Ex db eb IIC T5 Gb |
| IECEx dust explosion protection | Ex tb IIIC T80 °C Db | Ex tb IIIC T95 °C Db |
| ATEX gas explosion protection | Ⓜ II 2 G Ex db eb IIC T6 Gb | Ⓜ II 2 G Ex db eb IIC T5 Gb |
| ATEX dust explosion protection | Ⓜ II 2 D Ex tb IIIC T80 °C Db | Ⓜ II 2 D Ex tb IIIC T95 °C Db |
| Certificates | ATEX (PTB), Canada (FM), China (NEPSI), IECEx (PTB), India (PESO) | ATEX (PTB), Canada (FM), China (NEPSI), IECEx (PTB), India (PESO) |
| Electrical Data | | |
| No. of poles | 3 | 3 |
| Ambient Conditions | | |
| Ambient temperature | -20°C ... +40°C | -20°C ... +40°C |
| Notes | Information regarding ambient conditions can be found on the Internet at r-stahl.com. WebCode 8146N | |
| Mechanical Data | | |
| Degree of protection (IP) | IP66 | IP66 |
| Enclosure material | Polyester resin, Glass fibre reinforced | Polyester resin, Glass fibre reinforced |
| Handle colour | Black | Black |
| Protective collar colour | Black | Black |
| Rotary actuator labelling | 0 - I | 0 - I |
| Seal | Silicone, foamed | Silicone, foamed |
| Lockable in | Three times in 0 position | Three times in 0 position |

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



Cable entries

| Version | Auxiliary contacts | Cable glands Series 8161 | | Stopping plugs Series 8290 |
|--|--------------------|-----------------------------|-----------|-------------------------------|
| | | M25 x 1.5 | M32 x 1.5 | M25 x 1.5 |
| Current adjustment range up to 16 A | without | A, B | -- | C |
| | with | A, B, C | -- | -- |
| Current adjustment range 16 to 20 A, 20 to 22.5 A | without | -- | A, B | C |
| | with | C | A, B | -- |