

## Function

The ATyS d H is a three-phase transfer switch, 3 and 4 poles, designed for low voltage high power applications that require high-performance and fast reliable switching. The open transition transfer is performed on-load in line with IEC 60947-6-1 standards (Class PC) with minimal power supply interruption to the load during transfer.
The ATyS d H is remote transfer switching equipment (RTSE) with an integrated dual power supply (DPS) that accepts remote orders through volt-free contacts.

## Advantages

Ready for installation in the enclosure of your choice
The ATyS d H has been designed to facilitate installation. It is composed of two switches that are mounted one above the other with easily accessible power connections located at the rear. Furthermore the ATyS d H does not need any external bridging bars as the load side is connected within the product.
This enables to save time during installation.

## High-performance switching

The ATyS d H offers high withstand short circuit current ratings of 143 kA I cm (making) and 65 kA for $0.1 \mathrm{sec} \mathrm{I}_{\mathrm{cw}}$ (withstand). Further to its high short circuit withstand, the ATyS d H performance in terms of load switching capacity is $\mathrm{AC}-33 \mathrm{~B}\left(6 \times \mathrm{I}_{n} \cos \varnothing 0.5\right)$ without derating

## Safe on-load transfer: I-0-II

The ATyS d H includes two mechanically interlocked switches to ensure fast switching whilst providing a neutral (Off - 0) position. This ensures that the main and alternative power supplies do not overlap.

| References |  |  |  |
| :---: | :---: | :---: | :---: |
| Rating (A) | Number of poles | ATyS dH Reference | Control relay Reference |
| 4000 A | 3 P | 95333400 | ATyS C55 16000055 |
|  | 4 P | 95334400 |  |
| 5000 A | 3 P | 95333500 |  |
| 5000 A | 4 P | 95334500 | ATYS C65 16000065 |
| 6300 A | 3 P | 95333630 |  |
|  | 4 P | 95334630 |  |

Characteristics according to IEC 60947-6-1

| Thermal current $\mathrm{I}_{\text {th }}$ at $40^{\circ} \mathrm{C}$ | 4000 A | 5000 A | 6300 A |
| :---: | :---: | :---: | :---: |
| Rated operating voltage $U_{e}(\mathrm{~N})$ | 660 |  |  |
| Rated insulation voltage $\mathrm{U}_{\mathrm{i}}(\mathrm{M})$ | 660 |  |  |
| Rated impulse withstand voltage $\mathrm{U}_{\text {imp }}$ (kV) | 12 |  |  |
| Rated short-circuit withstand at 660 VAC |  |  |  |
| Rated short-time withstand current 0.1 s l cw (kA rms) | 65 |  |  |
| Rated peak withstand current (kA peak) | 143 |  |  |
| Rated operational current $I_{e}(A)$, at 660 VAC - AC32B | 4000 | 5000 | 6300 |
| Rated operational current $\mathrm{I}_{\mathrm{e}}(\mathrm{A})$, at 660 VAC - AC33iB ( $6 \mathrm{xln} \cos \oslash 0.5$ ) | 4000 | 5000 | 6300 |
| Connection |  |  |  |
| Rear connection with busbar | - | - | - |
| Switching time |  |  |  |
| 1 to 0 (ms) | $\leq 150$ |  |  |
| 0 to 1 and 0 to II (ms) | $\leq 90$ |  |  |
| 1 to 0 (ms) | $\leq 200$ |  |  |
| I-0-III / II-0-1 (s) | 1.2 |  |  |
| Operating frequency | 10 operations per hour |  |  |
| Power supply |  |  |  |
| VAC power supply (powered directly on terminals S1 and S2) | 230 |  |  |
| Main coil operating current (peak during transfers) | $65 \mathrm{~A}^{(1)}$ |  |  |
| Mechanical characteristics |  |  |  |
| Durability (number of operating cycles) | 3000 |  |  |
| Weight (kg) - Fixed 3/4P model | $200 / 250$ | 200 / 250 | $200 / 250$ |

(1) Instantaneous value. For a complete operation, power should be available during 0.5 s .

## Dimensions



