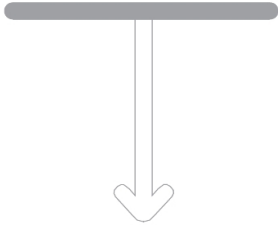


Product datasheet

Specifications

busbars - B80 - Sepam series 80



59743

Main

| | |
|------------------------------------|---|
| Relay application | Busbars |
| Range of product | Sepam series 80 NPP Sepam series 80 |
| Device short name | B80 |
| Control and monitoring type | Circuit breaker/contactor control ANSI code: 94/69 (option) Latching/acknowledgement ANSI code: 86 Logic discrimination ANSI code: 68 (option) Switching of groups of settings Annunciation ANSI code: 30 Automatic transfer (AT) (option) Logipam programming (ladder language) (option) Logic equation editor 200 operators |
| Metering type | Positive sequence voltage Vd/rotation direction Frequency Calculated active and reactive energy (+/- W.h, +/- VAR.h) Active and reactive energy by pulse counting (+/- W.h, +/- VAR.h) (option) Phase current I1, I2, I3 RMS Demand current I1, I2, I3 Peak demand current IM1, IM2, IM3 Measured residual current I'0 Voltage U21, U32, U13, V1, V2, V3 Residual voltage V0 Negative sequence voltage Vi Active power P, P1, P2, P3 Reactive power Q, Q1, Q2, Q3 Apparent power S, S1, S2, S3 Peak demand power PM, QM Power factor Voltage U'21, V'1 and frequency Measured residual current I0, calculated I'0Σ |
| Network and machine diagnosis type | Unbalance ratio/negative sequence current li Disturbance recording Tripping context Phase fault and earth fault trip counters Harmonic distortion (THD), current and voltage lthd, Uthd Difference in amplitude, frequency and phase of voltages with synchro-check option Apparent positive sequence impedance Zd Apparent phase-to-phase impedances Z21, Z32, Z13 Phase displacement Datalog (DLG) |
| Switchgear diagnosis type | Cumulative breaking current CT/VT supervision ANSI code: 60FL Trip circuit supervision ANSI code: 74 (option) Auxiliary power supply monitoring Nb of operations, operating time, charging time, nb of racking out operations (option) |

Complementary

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|-----------------------------|---|
| Type of measurement | Current Power (P,Q) Peak demand power Voltage Energy Frequency Power factor |
| Protection type | Neutral voltage displacement ANSI code: 59N (2) Breaker failure ANSI code: 50BF (1) Synchro-check ANSI code: 25 (option) Overvoltage (L-L or L-N) ANSI code: 59 (4) Negative sequence/unbalance ANSI code: 46 (2) Overfrequency ANSI code: 81H (2) Underfrequency ANSI code: 81L (4) Remanent undervoltage ANSI code: 27R (2) Negative sequence overvoltage ANSI code: 47 (2) Phase overcurrent ANSI code: 50/51 (8) Earth fault/sensitive earth fault ANSI code: 50N/51N (8) Earth fault/sensitive earth fault ANSI code: 50G/51G (8) Positive sequence undercurrent ANSI code: 27D (4) Undervoltage (L-L or L-N) ANSI code: 27 (2) |
| Communication port protocol | Measurement readout (option) : Modbus Remote indication and time tagging of events (option) : Modbus Remote control orders (option) : Modbus Remote protection setting (option) : Modbus Transfer of disturbance recording data (option) : Modbus |
| Input output max capacity | 42 inputs + 23 outputs |
| Communication compatibility | Modbus RTU DNP3 Modbus TCP/IP IEC 61850 IEC 60870-5-103 IEC 61850 goose message |
| User machine interface type | Without Advanced Mimic-based Remote |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 28.4 cm |
| Package 1 Width | 19.0 cm |
| Package 1 Length | 36.5 cm |
| Package 1 Weight | 3.205 kg |


Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.


[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

|  Materials and Substances | |
|---|----|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |

Use Again

|  Repack and remanufacture | |
|---|----|
| Take-back | No |