



PRODUCT-DETAILS

E3H1600PR121/P-LSIGIn=1600A4pFHR

E3H 1600 PR121/P-LSIG In=1600A 4p F HR



| General Information                         |                                                                                                                                                                                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type                       | E3H1600PR121/P-LSIGIn=1600A4pFHR                                                                                                                                                                       |
| Product ID                                  | 1SDA056410R1                                                                                                                                                                                           |
| EAN                                         | 8015644577506                                                                                                                                                                                          |
| Catalog Description                         | E3H 1600 PR121/P-LSIG In=1600A 4p F HR                                                                                                                                                                 |
| Long Description                            | SACE EMAX CIRCUIT-BREAKER E3H 1600A FOUR-POLE FIXED WITH TERMINALS<br>REAR HORIZONTAL OVERCURRENT RELEASE PR121/P-LSIG R1600 FITTED WITH: 4<br>AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |
| Material Compliance                         |                                                                                                                                                                                                        |
| REACH Declaration                           | 9AKK108466A1425                                                                                                                                                                                        |
| RoHS Information                            | 9AKK108466A1424                                                                                                                                                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019                                                                                                                                 |
| Conflict Minerals Reporting Template (CMRT) | Document availability on demand                                                                                                                                                                        |
| Environmental                               |                                                                                                                                                                                                        |
| Environmental Information                   | 9AKK10103A6076                                                                                                                                                                                         |

Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644577506 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 530 mm |
| Product Net Height         | 418 mm |
| Product Net Depth / Length | 302 mm |
| Product Net Weight         | 76 kg  |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 515 mm        |
| Package Level 1 Height         | 600 mm        |
| Package Level 1 Depth / Length | 785 mm        |
| Package Level 1 Gross Weight   | 90 kg         |
| Package Level 1 EAN            | 8015644577506 |

Additional Information

|                   |                     |
|-------------------|---------------------|
| Product Main Type | SACE Emax           |
| Product Name      | Air Circuit Breaker |
| Product Type      | Air Circuit Breaker |
| Version           | E                   |

Technical

|                                                                  |                                                                                                                                          |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Current Type                                                     | AC                                                                                                                                       |
| Electrical Durability                                            | Ue =< 440 V 10000 cycle<br>Ue = 500 ... 690 V 10000 cycle<br>20 cycles per hour                                                          |
| Mechanical Durability                                            | 20000 cycle<br>60 cycles per hour                                                                                                        |
| Number of Poles                                                  | 4P                                                                                                                                       |
| Power Loss                                                       | 85 W                                                                                                                                     |
| Rated Current (I <sub>n</sub> )                                  | 1600 A                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )              | 12 kV                                                                                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> )                       | 1000 V                                                                                                                                   |
| Rated Operational Current (I <sub>e</sub> )                      | 1600 A                                                                                                                                   |
| Rated Operational Voltage                                        | 690 V AC                                                                                                                                 |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ) | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 85 kA<br>(400 V AC) 85 kA<br>(415 V AC) 85 kA<br>(440 V AC) 85 kA<br>(500 V AC) 85 kA |

|                                                                    |                                                                                                                                                                                         |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                    | (660 V AC) 85 kA<br>(690 V AC) 85 kA                                                                                                                                                    |
| Rated Short-time<br>Withstand Current Low<br>Voltage ( $I_{cw}$ )  | for 1 s 75 kA<br>for 3 s 65 kA                                                                                                                                                          |
| Rated Ultimate Short-<br>Circuit Breaking Capacity<br>( $I_{cu}$ ) | (220 V AC) 100 kA<br>(230 V AC) 100 kA<br>(380 V AC) 100 kA<br>(400 V AC) 100 kA<br>(415 V AC) 100 kA<br>(440 V AC) 100 kA<br>(500 V AC) 100 kA<br>(660 V AC) 85 kA<br>(690 V AC) 85 kA |
| Rated Uninterrupted<br>Current ( $I_u$ )                           | 1600 A                                                                                                                                                                                  |
| Rated Voltage ( $U_r$ )                                            | 690 V                                                                                                                                                                                   |
| Release                                                            | PR121/P-LSIG                                                                                                                                                                            |
| Release Type                                                       | EL                                                                                                                                                                                      |
| Short-Circuit Performance<br>Level                                 | H                                                                                                                                                                                       |
| Standards                                                          | IEC                                                                                                                                                                                     |
| Sub-type                                                           | E3                                                                                                                                                                                      |
| Terminal Connection Type                                           | Fixed Circuit-Breakers<br>Rear flat Horizontal                                                                                                                                          |

Certificates and Declarations

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 1SDC200006D0209 |
| Declaration of Conformity<br>- CE    | 1SDL000165R0015 |
| Instructions and Manuals             | 1SDH000460R0002 |

External Classifications and Standards

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| ETIM 8                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q                                                                            |
| UNSPSC                     | 39120000                                                                     |
| WEEE Category              | 4. Large Equipment (Any External Dimension More Than 50 cm)                  |

Categories

Low Voltage Products and Systems → Circuit Breakers → Air Circuit Breakers → Emax

