

| Usage criteria         |                    | EPIC® rectangular connectors/inserts |             |              |              |              |              |             |             |              |              |              |              |             |              |              |              |              |              |              |              |              |
|------------------------|--------------------|--------------------------------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                        |                    | EPIC® H-A 3                          | EPIC® H-A 4 | EPIC® H-A 10 | EPIC® H-A 16 | EPIC® H-A 32 | EPIC® H-A 48 | EPIC® STA 6 | EPIC® STA 6 | EPIC® STA 14 | EPIC® STA 14 | EPIC® STA 20 | EPIC® STA 20 | EPIC® H-Q 5 | EPIC® H-D 7  | EPIC® H-D 7  | EPIC® H-D 8  | EPIC® H-D 15 | EPIC® H-D 15 | EPIC® H-D 25 | EPIC® H-D 25 | EPIC® H-D 40 |
| Parameter              |                    |                                      |             |              |              |              |              |             |             |              |              |              |              |             |              |              |              |              |              |              |              |              |
| Number of contacts     |                    | 3<br>+ PE                            | 4<br>+ PE   | 10<br>+ PE   | 16<br>+ PE   | 32<br>+ PE   | 48<br>+ PE   | 6           | 6           | 14           | 14           | 20           | 20           | 5<br>+ PE   | 7<br>+ PE    | 7<br>+ PE    | 8            | 15<br>+ PE   | 15<br>+ PE   | 25<br>+ PE   | 25<br>+ PE   | 40<br>+ PE   |
| Connection system:     | screw              | ✓                                    | ✓           | ✓            | ✓            | ✓            | ✓            | ✓           |             | ✓            |              | ✓            |              |             |              |              |              |              |              |              |              |              |
|                        | solder             |                                      |             |              |              |              |              |             | ✓           |              | ✓            |              | ✓            | ✓           | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            |
|                        | crimp              |                                      |             |              |              |              |              |             |             |              |              |              |              | ✓           | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            | ✓            |
|                        | cage clamp         |                                      |             |              |              |              |              |             |             |              |              |              |              |             |              |              |              |              |              |              |              |              |
| Suitable contacts:     | H-BE 2.5, machined |                                      |             |              |              |              |              |             |             |              |              |              |              | ✓           |              |              |              |              |              |              |              |              |
|                        | H-D 1.6, machined  |                                      |             |              |              |              |              |             |             |              |              |              |              |             | ✓            |              | ✓            | ✓            |              | ✓            |              | ✓            |
|                        | H-D 1.6, stamped   |                                      |             |              |              |              |              |             |             |              |              |              |              |             |              | ✓            |              |              | ✓            |              | ✓            |              |
| Cross-section [mm²]    |                    | 0.5<br>-2.5                          | 0.5<br>-2.5 | 0.5<br>-2.5  | 0.5<br>-2.5  | 0.5<br>-2.5  | 0.5<br>-2.5  | 0.5<br>-1.5 | max.<br>1.5 | 0.5<br>-1.5  | max.<br>1.5  | 0.5<br>-1.5  | max.<br>1.5  | 0.5<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5 |
| IEC: rated voltage [V] | 400                | ✓                                    | ✓           |              |              |              |              |             |             |              |              |              |              |             |              |              |              |              |              |              |              |              |
|                        | 250                |                                      |             | ✓            | ✓            | ✓            | ✓            |             |             |              |              |              |              |             |              |              |              | ✓            | ✓            | ✓            | ✓            | ✓            |
|                        | 24 AC/60 DC        |                                      |             |              |              |              |              | ✓           | ✓           | ✓            | ✓            | ✓            | ✓            |             |              |              |              |              |              |              |              |              |
|                        | 230/400            |                                      |             |              |              |              |              |             |             |              |              |              |              | ✓           |              |              |              |              |              |              |              |              |
|                        | 24 AC/60 DC/250    |                                      |             |              |              |              |              |             |             |              |              |              |              |             | ✓            | ✓            | ✓            |              |              |              |              |              |
| 500                    |                    |                                      |             |              |              |              |              |             |             |              |              |              |              |             |              |              |              |              |              |              |              |              |
| IEC: rated current [A] |                    | 23                                   | 23          | 16           | 16           | 16           | 16           | 10          | 10          | 10           | 10           | 10           | 10           | 16          | 10           | 10           | 10           | 10           | 10           | 10           | 10           | 10           |
| UL: rated voltage [V]  |                    | 600                                  | 600         | 600          | 600          | 600          | 600          | 48          | 48          | 48           | 48           | 48           | 48           | 600         | 250          | 250          | 250          | 250          | 250          | 250          | 250          | 250          |
| UL: rated current [A]  |                    | 10                                   | 10          | 14           | 14           | 14           | 14           | 10          | 10          | 10           | 10           | 10           | 10           | 16          | 10           | 10           | 10           | 10           | 10           | 10           | 10           | 10           |
| CSA: rated voltage [V] |                    | 400                                  | 400         | 600          | 600          | 600          | 600          | 48          | 48          | 48           | 48           | 48           | 48           | 600         | -            | -            | -            | -            | -            | -            | -            | -            |
| CSA: rated current [A] |                    | 10                                   | 10          | 16           | 16           | 16           | 16           | 10          | 10          | 10           | 10           | 10           | 10           | 16          | -            | -            | -            | -            | -            | -            | -            | -            |
| Suitable housing       |                    | H-A 3                                | H-A 3       | H-A 10       | H-A 16       | H-A 32       | H-A 48       | H-A 3       | H-A 3       | H-A 10       | H-A 10       | H-A 16       | H-A 16       | H-A 3       | H-A 3        | H-A 3        | H-A 3        | H-A 10       | H-A 10       | H-A 16       | H-A 16       | H-B 16       |

| Usage criteria                                                                                |                    | EPIC® rectangular connectors/inserts |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
|-----------------------------------------------------------------------------------------------|--------------------|--------------------------------------|--------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                                                                               |                    | EPIC® H-D 40                         | EPIC® H-D 64 | EPIC® H-D 64 | EPIC® H-DD 24 | EPIC® H-DD 42 | EPIC® H-DD 72 | EPIC® H-DD 108 | EPIC® H-DD 144 | EPIC® H-DD 216 | EPIC® H-BE 6 | EPIC® H-BE 6 | EPIC® H-BE 6 | EPIC® H-BE 10 | EPIC® H-BE 10 | EPIC® H-BE 10 | EPIC® H-BE 16 | EPIC® H-BE 16 | EPIC® H-BE 16 | EPIC® H-BE 24 | EPIC® H-BE 24 | EPIC® H-BE 24 |
|  Parameter |                    |                                      |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
| Number of contacts                                                                            |                    | 40<br>+ PE                           | 64<br>+ PE   | 64<br>+ PE   | 24<br>+ PE    | 42<br>+ PE    | 72<br>+ PE    | 108<br>+ PE    | 144<br>+ PE    | 216<br>+ PE    | 6<br>+ PE    | 6<br>+ PE    | 6<br>+ PE    | 10<br>+ PE    | 10<br>+ PE    | 10<br>+ PE    | 16<br>+ PE    | 16<br>+ PE    | 16<br>+ PE    | 24<br>+ PE    | 24<br>+ PE    | 24<br>+ PE    |
| Connection system:                                                                            | screw              |                                      |              |              |               |               |               |                |                |                | ✓            |              |              | ✓             |               |               | ✓             |               |               | ✓             |               |               |
|                                                                                               | solder             |                                      |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
|                                                                                               | crimp              | ✓                                    | ✓            | ✓            | ✓             | ✓             | ✓             | ✓              | ✓              | ✓              |              | ✓            |              |               | ✓             |               |               | ✓             |               |               | ✓             |               |
|                                                                                               | cage clamp         |                                      |              |              |               |               |               |                |                |                |              |              | ✓            |               |               | ✓             |               |               | ✓             |               |               | ✓             |
| Suitable contacts:                                                                            | H-BE 2.5, machined |                                      |              |              |               |               |               |                |                |                |              | ✓            |              |               | ✓             |               |               | ✓             |               |               | ✓             |               |
|                                                                                               | H-D 1.6, machined  |                                      | ✓            |              | ✓             | ✓             | ✓             | ✓              | ✓              | ✓              |              |              |              |               |               |               |               | ✓             |               |               | ✓             |               |
|                                                                                               | H-D 1.6, stamped   | ✓                                    |              | ✓            |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
| Cross-section [mm²]                                                                           |                    | 0.14<br>-2.5                         | 0.14<br>-2.5 | 0.14<br>-2.5 | 0.14<br>-2.5  | 0.14<br>-2.5  | 0.14<br>-2.5  | 0.14<br>-2.5   | 0.14<br>-2.5   | 0.14<br>-2.5   | 0.5<br>-2.5  | 0.5<br>-4.0  | 0.5<br>-2.5  | 0.5<br>-2.5   | 0.5<br>-4.0   | 0.5<br>-2.5   | 0.5<br>-2.5   | 0.5<br>-4.0   | 0.5<br>-2.5   | 0.5<br>-2.5   | 0.5<br>-4.0   | 0.5<br>-2.5   |
| IEC: rated voltage [V]                                                                        | 400                |                                      |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
|                                                                                               | 250                | ✓                                    | ✓            | ✓            | ✓             | ✓             | ✓             | ✓              | ✓              | ✓              |              |              |              |               |               |               |               |               |               |               |               |               |
|                                                                                               | 24 AC/60 DC        |                                      |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
|                                                                                               | 230/400            |                                      |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
|                                                                                               | 24 AC/60 DC/250    |                                      |              |              |               |               |               |                |                |                |              |              |              |               |               |               |               |               |               |               |               |               |
| 500                                                                                           |                    |                                      |              |              |               |               |               |                |                | ✓              | ✓            | ✓            | ✓            | ✓             | ✓             | ✓             | ✓             | ✓             | ✓             | ✓             | ✓             |               |
| IEC: rated current [A]                                                                        |                    | 10                                   | 10           | 10           | 10            | 10            | 10            | 10             | 10             | 10             | 16           | 16           | 16           | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            |
| UL: rated voltage [V]                                                                         |                    | 250                                  | 250          | 250          | 600           | 600           | 600           | 600            | 600            | 600            | 600          | 600          | 600          | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600           |
| UL: rated current [A]                                                                         |                    | 10                                   | 10           | 10           | 8.5           | 8.5           | 8.5           | 8.5            | 8.5            | 8.5            | 16           | 16           | 16           | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            |
| CSA: rated voltage [V]                                                                        |                    | -                                    | -            | -            | 600           | 600           | 600           | 600            | 600            | 600            | 600          | 600          | 600          | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600           |
| CSA: rated current [A]                                                                        |                    | -                                    | -            | -            | 10            | 10            | 10            | 10             | 10             | 10             | 16           | 16           | 16           | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            |
| Suitable housing                                                                              |                    | H-B 16                               | H-B 24       | H-B 24       | H-B 6         | H-B 10        | H-B 16        | H-B 24         | H-B 32         | H-B 48         | H-B 6        | H-B 6        | H-B 6        | H-B 10        | H-B 10        | H-B 10        | H-B 16        | H-B 16        | H-B 16        | H-B 24        | H-B 24        | H-B 24        |

| Usage criteria         |                    | EPIC® rectangular connectors/inserts |                                   |                                   |                                   |               |               |               |               |               |               |               |               |              |               |              |              |               |
|------------------------|--------------------|--------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------|--------------|---------------|
|                        |                    | EPIC® H-BE 32                        | EPIC® H-BE 32                     | EPIC® H-BE 32                     | EPIC® H-BE 48                     | EPIC® H-BE 48 | EPIC® H-BE 48 | EPIC® H-BE 10 | EPIC® H-BE 18 | EPIC® H-BE 32 | EPIC® H-BE 46 | EPIC® H-BE 64 | EPIC® H-BE 92 | EPIC® H-BE 6 | EPIC® H-BE 12 | EPIC® H-BE 3 | EPIC® H-BE 6 | EPIC® H-BE 10 |
|                        |                    | EPIC® Terminal adapter TB-H-BE 6     | EPIC® Terminal adapter TB-H-BE 10 | EPIC® Terminal adapter TB-H-BE 16 | EPIC® Terminal adapter TB-H-BE 24 |               |               |               |               |               |               |               |               |              |               |              |              |               |
| Parameter              |                    | 32 + PE                              | 32 + PE                           | 32 + PE                           | 48 + PE                           | 48 + PE       | 48 + PE       | 10 + PE       | 18 + PE       | 32 + PE       | 46 + PE       | 64 + PE       | 92 + PE       | 6 + PE       | 12 + PE       | 3+2 + PE     | 6+2 + PE     | 10+2 + PE     |
| Connection system:     | screw              | ✓                                    |                                   |                                   | ✓                                 |               |               |               |               |               |               |               |               | ✓            | ✓             | ✓            | ✓            | ✓             |
|                        | solder             |                                      |                                   |                                   |                                   |               |               |               |               |               |               |               |               |              |               |              |              |               |
|                        | crimp              |                                      | ✓                                 |                                   |                                   | ✓             |               | ✓             | ✓             | ✓             | ✓             | ✓             | ✓             |              |               |              |              |               |
|                        | cage clamp         |                                      |                                   | ✓                                 |                                   |               | ✓             |               |               |               |               |               |               |              |               |              |              |               |
| Suitable contacts:     | H-BE 2.5, machined |                                      | ✓                                 |                                   |                                   | ✓             |               | ✓             | ✓             | ✓             | ✓             | ✓             | ✓             |              |               |              |              |               |
| Cross-section [mm²]    |                    | 0.5 -2.5                             | 0.5 -4.0                          | 0.5 -2.5                          | 0.5 -2.5                          | 0.5 -4.0      | 0.5 -2.5      | 0.5 -4.0      | 0.5 -4.0      | 0.5 -4.0      | 0.5 -4.0      | 0.5 -4.0      | 0.5 -4.0      | 0.5 -6.0     | 0.5 -6.0      | 0.5 -2.5     | 0.5 -2.5     | 0.5 -2.5      |
| IEC: rated voltage [V] |                    | 500                                  | 500                               | 500                               | 500                               | 500           | 500           | 500           | 500           | 500           | 500           | 500           | 500           | 500          | 500           | 630          | 630          | 630           |
| IEC: rated current [A] |                    | 16                                   | 16                                | 16                                | 16                                | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 35           | 35            | 16           | 16           | 16            |
| UL: rated voltage [V]  |                    | 600                                  | 600                               | 600                               | 600                               | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600          | 600           | 600          | 600          | 600           |
| UL: rated current [A]  |                    | 16                                   | 16                                | 16                                | 16                                | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 35           | 35            | 16           | 16           | 16            |
| CSA: rated voltage [V] |                    | 600                                  | 600                               | 600                               | 600                               | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600           | 600          | 600           | 600          | 600          | 600           |
| CSA: rated current [A] |                    | 16                                   | 16                                | 16                                | 16                                | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 16            | 35           | 35            | 16           | 16           | 16            |
| Suitable housing:      |                    | H-B 32                               | H-B 32                            | H-B 32                            | H-B 48                            | H-B 48        | H-B 48        | H-B 6         | H-B 10        | H-B 16        | H-B 24        | H-B 32        | H-B 48        | H-B 16       | H-B 32        | H-B 10       | H-B 16       | H-B 24        |

| Usage criteria      |                        | EPIC® rectangular connectors/inserts |                           |                           |                          |                     |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   |                          |                           |
|---------------------|------------------------|--------------------------------------|---------------------------|---------------------------|--------------------------|---------------------|--------------------|--------------------------------|--------------------|-------------------------------|------------------------------|---------------------|----------------------------|--------------------------|----------------------------|-------------------|--------------------------|---------------------------|
|                     |                        | EPIC® MC module HC1 + PE             | EPIC® HE 4-pin module     | EPIC® MC module HC3       | EPIC® MC module HC4 + PE | EPIC® MC module HC2 | EPIC® 3-pin module | EPIC® 4-pin module, cage clamp | EPIC® 5-pin module | EPIC® 10-pin module, machined | EPIC® 10-pin module, stamped | EPIC® 20-pin module | EPIC® 3-pin module coaxial | EPIC® Profibus DP module | EPIC® Universal Bus module | EPIC® RJ45 module | EPIC® MCR 6 module frame | EPIC® MCR 10 module frame |
|                     |                        | EPIC® MCR 16 module frame            | EPIC® MCR 16 module frame | EPIC® MCR 24 module frame |                          |                     |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   |                          |                           |
| Parameter           |                        | 1 + PE                               | 4                         | 3                         | 4 + PE                   | 2                   | 3                  | 4                              | 5                  | 10                            | 10                           | 20                  | 3                          | 2 + screen               | 4 + screen                 | 8+4               | -                        | -                         |
| Connection system:  | screw                  | ✓                                    |                           |                           |                          | ✓                   |                    |                                |                    |                               |                              |                     |                            | ✓                        | ✓                          |                   |                          |                           |
|                     | solder                 |                                      |                           |                           |                          |                     |                    |                                |                    |                               |                              |                     | ✓                          |                          |                            |                   |                          |                           |
|                     | crimp                  |                                      | ✓                         | ✓                         | ✓                        |                     | ✓                  |                                | ✓                  | ✓                             | ✓                            | ✓                   |                            |                          |                            | ✓                 |                          |                           |
|                     | cage clamp             |                                      |                           |                           |                          |                     |                    | ✓                              |                    |                               |                              |                     |                            |                          |                            |                   |                          |                           |
| Suitable contacts:  | MC 3.6, machined       |                                      |                           | ✓                         |                          | ✓                   |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   |                          |                           |
|                     | MC 2.5, stamped        |                                      |                           |                           | ✓                        |                     |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   |                          |                           |
|                     | H-BE 2.5, machined     |                                      | ✓                         |                           |                          |                     |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   |                          |                           |
|                     | MC 2.5, machined       |                                      |                           |                           |                          |                     |                    |                                | ✓                  |                               |                              |                     |                            |                          |                            |                   |                          |                           |
|                     | H-D 1.6, machined      |                                      |                           |                           |                          |                     |                    |                                |                    | ✓                             |                              |                     |                            |                          |                            | ✓                 |                          |                           |
|                     | H-D 1.6, stamped       |                                      |                           |                           |                          |                     |                    |                                |                    |                               | ✓                            |                     |                            |                          |                            |                   |                          |                           |
|                     | MD 1.0, stamped        |                                      |                           |                           |                          |                     |                    |                                |                    |                               |                              | ✓                   |                            |                          |                            |                   |                          |                           |
|                     | MC coaxial             |                                      |                           |                           |                          |                     |                    |                                |                    |                               |                              |                     | ✓                          |                          |                            |                   |                          |                           |
|                     | for 2 modules          |                                      |                           |                           |                          |                     |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   | ✓                        |                           |
|                     | for 3 modules          |                                      |                           |                           |                          |                     |                    |                                |                    |                               |                              |                     |                            |                          |                            |                   |                          | ✓                         |
| Cross-section [mm²] |                        | 10.0 -25.0                           | 0.5 -4.0                  | 1.5 -10.0                 | 0.5 -2.5                 | 10.0 -25.0          | 1.5 -10.0          | 0.5 -2.5                       | 0.5 -4.0           | 0.14 -2.5                     | 0.14 -2.5                    | 0.08 -0.52          | -                          | max. 1.5                 | max. 1.5                   | Cat.5 0.14 -2.5   | -                        | -                         |
|                     | IEC: rated voltage [V] | 1000                                 | 630                       | 1000                      | 1000                     | 1000                | 630                | 400                            | 400                | 250                           | 250                          | 100                 | 250                        | 30                       | 30                         | 125/600           | -                        | -                         |
|                     | IEC: rated current [A] | 82                                   | 25                        | 50                        | 16                       | 82                  | 40                 | 14                             | 20                 | 10                            | 10                           | 4                   | -                          | 1                        | 1                          | 1.5/10            | -                        | -                         |
|                     | UL: rated voltage [V]  | 600                                  | -                         | -                         | -                        | 600                 | 600                | 600                            | 400                | 250                           | -                            | 100                 | -                          | -                        | -                          | -                 | -                        | -                         |
|                     | UL: rated current [A]  | 82                                   | -                         | -                         | -                        | 82                  | 40                 | 14                             | 20                 | 10                            | -                            | 4                   | -                          | -                        | -                          | -                 | -                        | -                         |
|                     | CSA: rated voltage [V] | -                                    | -                         | -                         | -                        | -                   | 600                | 600                            | 400                | 240                           | -                            | 100                 | -                          | -                        | -                          | -                 | -                        | -                         |
|                     | CSA: rated current [A] | -                                    | -                         | -                         | -                        | -                   | 35                 | 14                             | 16                 | 10                            | -                            | 4                   | -                          | -                        | -                          | -                 | -                        | -                         |
| Suitable housing:   |                        | **                                   | **                        | **                        | **                       | **                  | **                 | **                             | **                 | **                            | **                           | **                  | **                         | **                       | **                         | **                | H-B 6                    | H-B 10                    |

\*\*Module frame