

# Installation Products for Industrial Applications





# Optimum and powerful protection for every application

When it comes to protecting and switching, industry in many countries relies on Eaton products.

Top product quality as well as tested reliability and safety guarantee a high level of protection for people, installations and systems. Official approvals in many countries prove that Eaton builds its products in line with the latest national and international regulations.

## FAZ

|                    |                |
|--------------------|----------------|
| <b>up to 15 kA</b> | IEC/EN 60947-2 |
| <b>up to 10 kA</b> | IEC/EN 60898   |
| <b>up to 10 kA</b> | UL 1077        |

## FAZ6

|              |                |
|--------------|----------------|
| <b>10 kA</b> | IEC/EN 60947-2 |
| <b>6 kA</b>  | IEC/EN 60898   |

# Content FAZ Miniature Circuit Breakers (MCBs)



**FAZ**

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**FAZ6**

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# FAZ | Characteristic B

## FAZ Miniature Circuit Breakers (MCBs) Characteristic B

Instantaneous release response current  $3 - 5 \times I_n$   
Breaking Capacity 15 kA (IEC/EN 60947-2) / 10 kA (IEC / EN 60898)



| Rated<br>operational<br>current $I_n$ | 1-pole     |             | 1+N-pole    |             | 2-pole     |             |
|---------------------------------------|------------|-------------|-------------|-------------|------------|-------------|
|                                       | Part No.   | Article No. | Part No.    | Article No. | Part No.   | Article No. |
| 1                                     | FAZ-B1/1   | 278520      | FAZ-B1/1N   | 278633      | FAZ-B1/2   | 278719      |
| 1.6                                   | FAZ-B1,6/1 | 278522      | FAZ-B1,6/1N | 278635      | FAZ-B1,6/2 | 278721      |
| 2                                     | FAZ-B2/1   | 278523      | FAZ-B2/1N   | 278636      | FAZ-B2/2   | 278722      |
| 3                                     | FAZ-B3/1   | 278525      | FAZ-B3/1N   | 278638      | FAZ-B3/2   | 278724      |
| 4                                     | FAZ-B4/1   | 278527      | FAZ-B4/1N   | 278640      | FAZ-B4/2   | 278726      |
| 5                                     | FAZ-B5/1   | 278528      | FAZ-B5/1N   | 278641      | FAZ-B5/2   | 278727      |
| 6                                     | FAZ-B6/1   | 278529      | FAZ-B6/1N   | 278642      | FAZ-B6/2   | 278728      |
| 8                                     | FAZ-B8/1   | 278530      | FAZ-B8/1N   | 278643      | FAZ-B8/2   | 278729      |
| 10                                    | FAZ-B10/1  | 278531      | FAZ-B10/1N  | 278644      | FAZ-B10/2  | 278730      |
| 12                                    | FAZ-B12/1  | 278532      | FAZ-B12/1N  | 278645      | FAZ-B12/2  | 278731      |
| 16                                    | FAZ-B16/1  | 278535      | FAZ-B16/1N  | 278648      | FAZ-B16/2  | 278734      |
| 20                                    | FAZ-B20/1  | 278536      | FAZ-B20/1N  | 278649      | FAZ-B20/2  | 278735      |
| 25                                    | FAZ-B25/1  | 278537      | FAZ-B25/1N  | 278650      | FAZ-B25/2  | 278736      |
| 32                                    | FAZ-B32/1  | 278538      | FAZ-B32/1N  | 278651      | FAZ-B32/2  | 278737      |
| 40                                    | FAZ-B40/1  | 278539      | FAZ-B40/1N  | 278652      | FAZ-B40/2  | 278738      |
| 50                                    | FAZ-B50/1  | 278540      | FAZ-B50/1N  | 278653      | FAZ-B50/2  | 278739      |
| 63                                    | FAZ-B63/1  | 278541      | FAZ-B63/1N  | 278654      | FAZ-B63/2  | 278740      |



| Rated<br>operational<br>current $I_n$ | 3-pole     |             | 3+N pole    |             | 4-pole     |             |
|---------------------------------------|------------|-------------|-------------|-------------|------------|-------------|
|                                       | Part No.   | Article No. | Part No.    | Article No. | Part No.   | Article No. |
| 1                                     | FAZ-B1/3   | 278832      | FAZ-B1/3N   | 278934      | FAZ-B1/4   | 279020      |
| 1.6                                   | FAZ-B1,6/3 | 278834      | FAZ-B1,6/3N | 278936      | FAZ-B1,6/4 | 279022      |
| 2                                     | FAZ-B2/3   | 278835      | FAZ-B2/3N   | 278937      | FAZ-B2/4   | 279023      |
| 3                                     | FAZ-B3/3   | 278837      | FAZ-B3/3N   | 278939      | FAZ-B3/4   | 279025      |
| 4                                     | FAZ-B4/3   | 278839      | FAZ-B4/3N   | 278941      | FAZ-B4/4   | 279027      |
| 5                                     | FAZ-B5/3   | 278840      | FAZ-B5/3N   | 278942      | FAZ-B5/4   | 279028      |
| 6                                     | FAZ-B6/3   | 278841      | FAZ-B6/3N   | 278943      | FAZ-B6/4   | 279029      |
| 8                                     | FAZ-B8/3   | 278842      | FAZ-B8/3N   | 278944      | FAZ-B8/4   | 279030      |
| 10                                    | FAZ-B10/3  | 278843      | FAZ-B10/3N  | 278945      | FAZ-B10/4  | 279031      |
| 12                                    | FAZ-B12/3  | 278844      | FAZ-B12/3N  | 278946      | FAZ-B12/4  | 279032      |
| 16                                    | FAZ-B16/3  | 278847      | FAZ-B16/3N  | 278949      | FAZ-B16/4  | 279035      |
| 20                                    | FAZ-B20/3  | 278848      | FAZ-B20/3N  | 278950      | FAZ-B20/4  | 279036      |
| 25                                    | FAZ-B25/3  | 278849      | FAZ-B25/3N  | 278951      | FAZ-B25/4  | 279037      |
| 32                                    | FAZ-B32/3  | 278850      | FAZ-B32/3N  | 278952      | FAZ-B32/4  | 279038      |
| 40                                    | FAZ-B40/3  | 278851      | FAZ-B40/3N  | 278953      | FAZ-B40/4  | 279039      |
| 50                                    | FAZ-B50/3  | 278852      | FAZ-B50/3N  | 278954      | FAZ-B50/4  | 279040      |
| 63                                    | FAZ-B63/3  | 278853      | FAZ-B63/3N  | 278955      | FAZ-B63/4  | 279041      |

# FAZ | Characteristic C

## FAZ Miniature Circuit Breakers (MCBs) Characteristic C

Instantaneous release response current 5 - 10 x I<sub>n</sub>  
Breaking Capacity 15 kA (IEC/EN 60947-2) / 10 kA (IEC / EN 60898)



| Rated<br>operational<br>current I <sub>n</sub> | 1-pole      |             | 1+N-pole     |             | 2-pole      |             |
|------------------------------------------------|-------------|-------------|--------------|-------------|-------------|-------------|
|                                                | Part No.    | Article No. | Part No.     | Article No. | Part No.    | Article No. |
| 0.16                                           | FAZ-C0,16/1 | 278542      | FAZ-C0,16/1N | 278655      | FAZ-C0,16/2 | 278741      |
| 0.25                                           | FAZ-C0,25/1 | 278543      | FAZ-C0,25/1N | 278656      | FAZ-C0,25/2 | 278742      |
| 0.5                                            | FAZ-C0,5/1  | 278544      | FAZ-C0,5/1N  | 278657      | FAZ-C0,5/2  | 278743      |
| 1                                              | FAZ-C1/1    | 278546      | FAZ-C1/1N    | 278659      | FAZ-C1/2    | 278745      |
| 1.6                                            | FAZ-C1,6/1  | 278548      | FAZ-C1,6/1N  | 278661      | FAZ-C1,6/2  | 278747      |
| 2                                              | FAZ-C2/1    | 278549      | FAZ-C2/1N    | 278662      | FAZ-C2/2    | 278748      |
| 3                                              | FAZ-C3/1    | 278551      | FAZ-C3/1N    | 278664      | FAZ-C3/2    | 278750      |
| 4                                              | FAZ-C4/1    | 278553      | FAZ-C4/1N    | 278666      | FAZ-C4/2    | 278752      |
| 5                                              | FAZ-C5/1    | 278554      | FAZ-C5/1N    | 278667      | FAZ-C5/2    | 278753      |
| 6                                              | FAZ-C6/1    | 278555      | FAZ-C6/1N    | 278668      | FAZ-C6/2    | 278754      |
| 8                                              | FAZ-C8/1    | 278556      | FAZ-C8/1N    | 278669      | FAZ-C8/2    | 278755      |
| 10                                             | FAZ-C10/1   | 278557      | FAZ-C10/1N   | 278670      | FAZ-C10/2   | 278756      |
| 12                                             | FAZ-C12/1   | 278558      | FAZ-C12/1N   | 278671      | FAZ-C12/2   | 278757      |
| 16                                             | FAZ-C16/1   | 278561      | FAZ-C16/1N   | 278674      | FAZ-C16/2   | 278760      |
| 20                                             | FAZ-C20/1   | 278562      | FAZ-C20/1N   | 278675      | FAZ-C20/2   | 278761      |
| 25                                             | FAZ-C25/1   | 278563      | FAZ-C25/1N   | 278676      | FAZ-C25/2   | 278762      |
| 32                                             | FAZ-C32/1   | 278564      | FAZ-C32/1N   | 278677      | FAZ-C32/2   | 278763      |
| 40                                             | FAZ-C40/1   | 278565      | FAZ-C40/1N   | 278678      | FAZ-C40/2   | 278764      |
| 50                                             | FAZ-C50/1   | 278566      | FAZ-C50/1N   | 278679      | FAZ-C50/2   | 278765      |
| 63                                             | FAZ-C63/1   | 278567      | FAZ-C63/1N   | 278680      | FAZ-C63/2   | 278766      |



| Rated<br>operational<br>current I <sub>n</sub> | 3-pole      |             | 3+N pole     |             | 4-pole      |             |
|------------------------------------------------|-------------|-------------|--------------|-------------|-------------|-------------|
|                                                | Part No.    | Article No. | Part No.     | Article No. | Part No.    | Article No. |
| 0.16                                           | FAZ-C0,16/3 | 278854      | FAZ-C0,16/3N | 278956      | FAZ-C0,16/4 | 279042      |
| 0.25                                           | FAZ-C0,25/3 | 278855      | FAZ-C0,25/3N | 278957      | FAZ-C0,25/4 | 279043      |
| 0.5                                            | FAZ-C0,5/3  | 278856      | FAZ-C0,5/3N  | 278958      | FAZ-C0,5/4  | 279044      |
| 1                                              | FAZ-C1/3    | 278858      | FAZ-C1/3N    | 278960      | FAZ-C1/4    | 279046      |
| 1.6                                            | FAZ-C1,6/3  | 278860      | FAZ-C1,6/3N  | 278962      | FAZ-C1,6/4  | 279048      |
| 2                                              | FAZ-C2/3    | 278861      | FAZ-C2/3N    | 278963      | FAZ-C2/4    | 279049      |
| 3                                              | FAZ-C3/3    | 278863      | FAZ-C3/3N    | 278965      | FAZ-C3/4    | 279051      |
| 4                                              | FAZ-C4/3    | 278865      | FAZ-C4/3N    | 278967      | FAZ-C4/4    | 279053      |
| 5                                              | FAZ-C5/3    | 278866      | FAZ-C5/3N    | 278968      | FAZ-C5/4    | 279054      |
| 6                                              | FAZ-C6/3    | 278867      | FAZ-C6/3N    | 278969      | FAZ-C6/4    | 279055      |
| 8                                              | FAZ-C8/3    | 278868      | FAZ-C8/3N    | 278970      | FAZ-C8/4    | 279056      |
| 10                                             | FAZ-C10/3   | 278869      | FAZ-C10/3N   | 278971      | FAZ-C10/4   | 279057      |
| 12                                             | FAZ-C12/3   | 278870      | FAZ-C12/3N   | 278972      | FAZ-C12/4   | 279058      |
| 16                                             | FAZ-C16/3   | 278873      | FAZ-C16/3N   | 278975      | FAZ-C16/4   | 279061      |
| 20                                             | FAZ-C20/3   | 278874      | FAZ-C20/3N   | 278976      | FAZ-C20/4   | 279062      |
| 25                                             | FAZ-C25/3   | 278875      | FAZ-C25/3N   | 278977      | FAZ-C25/4   | 279063      |
| 32                                             | FAZ-C32/3   | 278876      | FAZ-C32/3N   | 278978      | FAZ-C32/4   | 279064      |
| 40                                             | FAZ-C40/3   | 278877      | FAZ-C40/3N   | 278979      | FAZ-C40/4   | 279065      |
| 50                                             | FAZ-C50/3   | 278878      | FAZ-C50/3N   | 278980      | FAZ-C50/4   | 279066      |
| 63                                             | FAZ-C63/3   | 278879      | FAZ-C63/3N   | 278981      | FAZ-C63/4   | 279067      |

# FAZ | Characteristic D

## FAZ Miniature Circuit Breakers (MCBs) Characteristic D

Instantaneous release response current 10 - 20 x I<sub>n</sub>  
Breaking Capacity 15 kA (IEC/EN 60947-2) / 10 kA (IEC / EN 60898)



| Rated<br>operational<br>current I <sub>n</sub> | 1-pole     |             | 1+N-pole    |             | 2-pole     |             |
|------------------------------------------------|------------|-------------|-------------|-------------|------------|-------------|
|                                                | Part No.   | Article No. | Part No.    | Article No. | Part No.   | Article No. |
| 0.5                                            | FAZ-D0,5/1 | 278568      | FAZ-D0,5/1N | 278681      | FAZ-D0,5/2 | 278767      |
| 1                                              | FAZ-D1/1   | 278569      | FAZ-D1/1N   | 278682      | FAZ-D1/2   | 278768      |
| 1.6                                            | FAZ-D1,6/1 | 278571      | FAZ-D1,6/1N | 278684      | FAZ-D1,6/2 | 278770      |
| 2                                              | FAZ-D2/1   | 278572      | FAZ-D2/1N   | 278685      | FAZ-D2/2   | 278771      |
| 3                                              | FAZ-D3/1   | 278574      | FAZ-D3/1N   | 278867      | FAZ-D3/2   | 278773      |
| 4                                              | FAZ-D4/1   | 278576      | FAZ-D4/1N   | 278689      | FAZ-D4/2   | 278775      |
| 5                                              | FAZ-D5/1   | 278577      | FAZ-D5/1N   | 278690      | FAZ-D5/2   | 278776      |
| 6                                              | FAZ-D6/1   | 278578      | FAZ-D6/1N   | 278691      | FAZ-D6/2   | 278777      |
| 8                                              | FAZ-D8/1   | 278579      | FAZ-D8/1N   | 278692      | FAZ-D8/2   | 278778      |
| 10                                             | FAZ-D10/1  | 278580      | FAZ-D10/1N  | 278693      | FAZ-D10/2  | 278779      |
| 12                                             | FAZ-D12/1  | 278581      | FAZ-D12/1N  | 278694      | FAZ-D12/2  | 278780      |
| 16                                             | FAZ-D16/1  | 278584      | FAZ-D16/1N  | 278697      | FAZ-D16/2  | 278783      |
| 20                                             | FAZ-D20/1  | 278585      | FAZ-D20/1N  | 278698      | FAZ-D20/2  | 278784      |
| 25                                             | FAZ-D25/1  | 278586      | FAZ-D25/1N  | 278699      | FAZ-D25/2  | 278785      |
| 32                                             | FAZ-D32/1  | 278587      | FAZ-D32/1N  | 278700      | FAZ-D32/2  | 278786      |
| 40                                             | FAZ-D40/1  | 278588      | FAZ-D40/1N  | 278701      | FAZ-D40/2  | 278787      |
| 50                                             | FAZ-D50/1  | 115370      | FAZ-D50/1N  | 115378      | FAZ-D50/2  | 115372      |
| 63                                             | FAZ-D63/1  | 115371      | FAZ-D63/1N  | 115379      | FAZ-D63/2  | 115373      |



| Rated<br>operational<br>current I <sub>n</sub> | 3-pole     |             | 3+N pole    |             | 4-pole     |             |
|------------------------------------------------|------------|-------------|-------------|-------------|------------|-------------|
|                                                | Part No.   | Article No. | Part No.    | Article No. | Part No.   | Article No. |
| 0.5                                            | FAZ-D0,5/3 | 278880      | FAZ-D0,5/3N | 278982      | FAZ-D0,5/4 | 279068      |
| 1                                              | FAZ-D1/3   | 278881      | FAZ-D1/3N   | 278983      | FAZ-D1/4   | 279069      |
| 1.6                                            | FAZ-D1,6/3 | 278883      | FAZ-D1,6/3N | 278985      | FAZ-D1,6/4 | 279071      |
| 2                                              | FAZ-D2/3   | 278884      | FAZ-D2/3N   | 278986      | FAZ-D2/4   | 279072      |
| 3                                              | FAZ-D3/3   | 278886      | FAZ-D3/3N   | 278988      | FAZ-D3/4   | 279074      |
| 4                                              | FAZ-D4/3   | 278888      | FAZ-D4/3N   | 278990      | FAZ-D4/4   | 279076      |
| 5                                              | FAZ-D5/3   | 278889      | FAZ-D5/3N   | 278991      | FAZ-D5/4   | 279077      |
| 6                                              | FAZ-D6/3   | 278890      | FAZ-D6/3N   | 278992      | FAZ-D6/4   | 279078      |
| 8                                              | FAZ-D8/3   | 278891      | FAZ-D8/3N   | 278993      | FAZ-D8/4   | 279079      |
| 10                                             | FAZ-D10/3  | 278892      | FAZ-D10/3N  | 278994      | FAZ-D10/4  | 279080      |
| 12                                             | FAZ-D12/3  | 278893      | FAZ-D12/3N  | 278995      | FAZ-D12/4  | 279081      |
| 16                                             | FAZ-D16/3  | 278896      | FAZ-D16/3N  | 278998      | FAZ-D16/4  | 279084      |
| 20                                             | FAZ-D20/3  | 278897      | FAZ-D20/3N  | 278999      | FAZ-D20/4  | 279085      |
| 25                                             | FAZ-D25/3  | 278898      | FAZ-D25/3N  | 279000      | FAZ-D25/4  | 279086      |
| 32                                             | FAZ-D32/3  | 278899      | FAZ-D32/3N  | 279001      | FAZ-D32/4  | 279087      |
| 40                                             | FAZ-D40/3  | 278900      | FAZ-D40/3N  | 279002      | FAZ-D40/4  | 279088      |
| 50                                             | FAZ-D50/3  | 115374      | FAZ-D50/3N  | 115380      | FAZ-D50/4  | 115376      |
| 63                                             | FAZ-D63/3  | 115375      | FAZ-D63/3N  | 115381      | FAZ-D63/4  | 115377      |

# FAZ | Characteristic K

## FAZ Miniature Circuit Breakers (MCBs) Characteristic K

Instantaneous release response current 8 - 12 x I<sub>n</sub>  
Breaking Capacity 15 kA (IEC/EN 60947-2) / 10 kA (IEC / EN 60898)



| Rated<br>operational<br>current I <sub>n</sub> | 1-pole     |             | 1+N-pole    |             | 2-pole     |             |
|------------------------------------------------|------------|-------------|-------------|-------------|------------|-------------|
|                                                | Part No.   | Article No. | Part No.    | Article No. | Part No.   | Article No. |
| 0.5                                            | FAZ-K0,5/1 | 278589      | FAZ-K0,5/1N | 278702      | FAZ-K0,5/2 | 278788      |
| 1                                              | FAZ-K1/1   | 278590      | FAZ-K1/1N   | 278703      | FAZ-K1/2   | 278789      |
| 1.6                                            | FAZ-K1,6/1 | 278591      | FAZ-K1,6/1N | 278704      | FAZ-K1,6/2 | 278790      |
| 2                                              | FAZ-K2/1   | 278592      | FAZ-K2/1N   | 278705      | FAZ-K2/2   | 278791      |
| 3                                              | FAZ-K3/1   | 278593      | FAZ-K3/1N   | 278706      | FAZ-K3/2   | 278792      |
| 4                                              | FAZ-K4/1   | 278594      | FAZ-K4/1N   | 278707      | FAZ-K4/2   | 278793      |
| 6                                              | FAZ-K6/1   | 278595      | FAZ-K6/1N   | 278708      | FAZ-K6/2   | 278794      |
| 8                                              | FAZ-K8/1   | 278596      | FAZ-K8/1N   | 278709      | FAZ-K8/2   | 278795      |
| 10                                             | FAZ-K10/1  | 278597      | FAZ-K10/1N  | 278710      | FAZ-K10/2  | 278796      |
| 16                                             | FAZ-K16/1  | 278599      | FAZ-K16/1N  | 278712      | FAZ-K16/2  | 278798      |
| 20                                             | FAZ-K20/1  | 278600      | FAZ-K20/1N  | 278713      | FAZ-K20/2  | 278799      |
| 25                                             | FAZ-K25/1  | 278601      | FAZ-K25/1N  | 278714      | FAZ-K25/2  | 278800      |
| 32                                             | FAZ-K32/1  | 278602      | FAZ-K32/1N  | 278715      | FAZ-K32/2  | 278801      |
| 40                                             | FAZ-K40/1  | 278603      | FAZ-K40/1N  | 278716      | FAZ-K40/2  | 278802      |
| 50                                             | FAZ-K50/1  | 278604      | FAZ-K50/1N  | 278717      | FAZ-K50/2  | 278803      |
| 63                                             | FAZ-K63/1  | 278605      | FAZ-K63/1N  | 278718      | FAZ-K63/2  | 278804      |



| Rated<br>operational<br>current I <sub>n</sub> | 3-pole     |             | 3+N pole    |             | 4-pole     |             |
|------------------------------------------------|------------|-------------|-------------|-------------|------------|-------------|
|                                                | Part No.   | Article No. | Part No.    | Article No. | Part No.   | Article No. |
| 0.5                                            | FAZ-K0,5/3 | 278901      | FAZ-K0,5/3N | 279003      | FAZ-K0,5/4 | 279089      |
| 1                                              | FAZ-K1/3   | 278902      | FAZ-K1/3N   | 279004      | FAZ-K1/4   | 279090      |
| 1.6                                            | FAZ-K1,6/3 | 278903      | FAZ-K1,6/3N | 279005      | FAZ-K1,6/4 | 279091      |
| 2                                              | FAZ-K2/3   | 278904      | FAZ-K2/3N   | 279006      | FAZ-K2/4   | 279092      |
| 3                                              | FAZ-K3/3   | 278905      | FAZ-K3/3N   | 279007      | FAZ-K3/4   | 279093      |
| 4                                              | FAZ-K4/3   | 278906      | FAZ-K4/3N   | 279008      | FAZ-K4/4   | 279094      |
| 6                                              | FAZ-K6/3   | 278907      | FAZ-K6/3N   | 279009      | FAZ-K6/4   | 279095      |
| 8                                              | FAZ-K8/3   | 278908      | FAZ-K8/3N   | 279010      | FAZ-K8/4   | 279096      |
| 10                                             | FAZ-K10/3  | 278909      | FAZ-K10/3N  | 279011      | FAZ-K10/4  | 279097      |
| 16                                             | FAZ-K16/3  | 278911      | FAZ-K16/3N  | 279013      | FAZ-K16/4  | 279099      |
| 20                                             | FAZ-K20/3  | 278912      | FAZ-K20/3N  | 279014      | FAZ-K20/4  | 279100      |
| 25                                             | FAZ-K25/3  | 278913      | FAZ-K25/3N  | 279015      | FAZ-K25/4  | 279101      |
| 32                                             | FAZ-K32/3  | 278914      | FAZ-K32/3N  | 279016      | FAZ-K32/4  | 279102      |
| 40                                             | FAZ-K40/3  | 278915      | FAZ-K40/3N  | 279017      | FAZ-K40/4  | 279103      |
| 50                                             | FAZ-K50/3  | 278916      | FAZ-K50/3N  | 279018      | FAZ-K50/4  | 279104      |
| 63                                             | FAZ-K63/3  | 278917      | FAZ-K63/3N  | 279019      | FAZ-K63/4  | 279105      |

# FAZ | Characteristic Z

## FAZ Miniature Circuit Breakers (MCBs) Characteristic Z

Instantaneous release response current  $2 - 3 \times I_n$   
Breaking Capacity 15 kA (IEC/EN 60947-2) / 10 kA (IEC / EN 60898)



| Rated<br>operational<br>current $I_n$ | 1-pole     |             | 2-pole     |             | 3-pole     |             |
|---------------------------------------|------------|-------------|------------|-------------|------------|-------------|
|                                       | Part No.   | Article No. | Part No.   | Article No. | Part No.   | Article No. |
| 0.5                                   | FAZ-Z0,5/1 | 278617      | FAZ-Z0,5/2 | 278816      | FAZ-Z0,5/3 | 278918      |
| 1                                     | FAZ-Z1/1   | 278618      | FAZ-Z1/2   | 278817      | FAZ-Z1/3   | 278919      |
| 1.6                                   | FAZ-Z1,6/1 | 278619      | FAZ-Z1,6/2 | 278818      | FAZ-Z1,6/3 | 278920      |
| 2                                     | FAZ-Z2/1   | 278620      | FAZ-Z2/2   | 278819      | FAZ-Z2/3   | 278921      |
| 3                                     | FAZ-Z3/1   | 278621      | FAZ-Z3/2   | 278820      | FAZ-Z3/3   | 278922      |
| 4                                     | FAZ-Z4/1   | 278622      | FAZ-Z4/2   | 278821      | FAZ-Z4/3   | 278923      |
| 6                                     | FAZ-Z6/1   | 278623      | FAZ-Z6/2   | 278822      | FAZ-Z6/3   | 278924      |
| 8                                     | FAZ-Z8/1   | 278624      | FAZ-Z8/2   | 278823      | FAZ-Z8/3   | 278925      |
| 10                                    | FAZ-Z10/1  | 278625      | FAZ-Z10/2  | 278824      | FAZ-Z10/3  | 278926      |
| 16                                    | FAZ-Z16/1  | 278626      | FAZ-Z16/2  | 278825      | FAZ-Z16/3  | 278927      |
| 20                                    | FAZ-Z20/1  | 278627      | FAZ-Z20/2  | 278826      | FAZ-Z20/3  | 278928      |
| 25                                    | FAZ-Z25/1  | 278628      | FAZ-Z25/2  | 278827      | FAZ-Z25/3  | 278929      |
| 32                                    | FAZ-Z32/1  | 278629      | FAZ-Z32/2  | 278828      | FAZ-Z32/3  | 278930      |
| 40                                    | FAZ-Z40/1  | 278630      | FAZ-Z40/2  | 278829      | FAZ-Z40/3  | 278931      |
| 50                                    | FAZ-Z50/1  | 278631      | FAZ-Z50/2  | 278830      | FAZ-Z50/3  | 278932      |
| 63                                    | FAZ-Z63/1  | 278632      | FAZ-Z63/2  | 278831      | FAZ-Z63/3  | 278933      |



| Rated<br>operational<br>current $I_n$ | 4-pole     |             |
|---------------------------------------|------------|-------------|
|                                       | Part No.   | Article No. |
| 0.5                                   | FAZ-Z0,5/4 | 279106      |
| 1                                     | FAZ-Z1/4   | 279107      |
| 1.6                                   | FAZ-Z1,6/4 | 279108      |
| 2                                     | FAZ-Z2/4   | 279109      |
| 3                                     | FAZ-Z3/4   | 279110      |
| 4                                     | FAZ-Z4/4   | 279111      |
| 6                                     | FAZ-Z6/4   | 279112      |
| 8                                     | FAZ-Z8/4   | 279113      |
| 10                                    | FAZ-Z10/4  | 279114      |
| 16                                    | FAZ-Z16/4  | 279115      |
| 20                                    | FAZ-Z20/4  | 279116      |
| 25                                    | FAZ-Z25/4  | 279117      |
| 32                                    | FAZ-Z32/4  | 279118      |
| 40                                    | FAZ-Z40/4  | 279119      |
| 50                                    | FAZ-Z50/4  | 279120      |
| 63                                    | FAZ-Z63/4  | 279121      |

# FAZ6 | Characteristic B

## FAZ6 Miniature Circuit Breakers (MCBs) Characteristic B

Instantaneous release response current 3 - 5 x I<sub>n</sub>  
Breaking Capacity 10 kA (IEC/EN 60947-2) / 6 kA (IEC / EN 60898)



| Rated operational current I <sub>n</sub> | 1-pole     |             | 2-pole     |             | 3-pole     |             | 4-pole     |             |
|------------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                                          | Part No.   | Article No. | Part No.   | Article No. | Part No.   | Article No. | Part No.   | Article No. |
| 6                                        | FAZ6-B6/1  | 239001      | FAZ6-B6/2  | 239085      | FAZ6-B6/3  | 239110      | FAZ6-B6/4  | 239180      |
| 10                                       | FAZ6-B10/1 | 239006      | FAZ6-B10/2 | 239086      | FAZ6-B10/3 | 239111      | FAZ6-B10/4 | 239181      |
| 16                                       | FAZ6-B16/1 | 239016      | FAZ6-B16/2 | 239088      | FAZ6-B16/3 | 239113      | FAZ6-B16/4 | 239183      |
| 20                                       | FAZ6-B20/1 | 239023      | FAZ6-B20/2 | 239089      | FAZ6-B20/3 | 239114      | FAZ6-B20/4 | 239184      |
| 25                                       | FAZ6-B25/1 | 239024      | FAZ6-B25/2 | 239090      | FAZ6-B25/3 | 239115      | FAZ6-B25/4 | 239185      |
| 32                                       | FAZ6-B32/1 | 239025      | FAZ6-B32/2 | 239091      | FAZ6-B32/3 | 239116      | FAZ6-B32/4 | 239186      |
| 40                                       | FAZ6-B40/1 | 239026      | FAZ6-B40/2 | 239092      | FAZ6-B40/3 | 239117      | FAZ6-B40/4 | 239187      |
| 50                                       | FAZ6-B50/1 | 239027      | FAZ6-B50/2 | 239093      | FAZ6-B50/3 | 239118      | FAZ6-B50/4 | 239188      |
| 63                                       | FAZ6-B63/1 | 239028      | FAZ6-B63/2 | 239094      | FAZ6-B63/3 | 239119      | FAZ6-B63/4 | 239189      |

# FAZ6 | Characteristic C

## FAZ6 Miniature Circuit Breakers (MCBs) Characteristic C

Instantaneous release response current 5 - 10 x I<sub>n</sub>  
Breaking Capacity 10 kA (IEC/EN 60947-2) / 6 kA (IEC / EN 60898)



| Rated operational current I <sub>n</sub> | 1-pole      |             | 2-pole      |             | 3-pole      |             | 4-pole       |             |
|------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
|                                          | Part No.    | Article No. | Part No.    | Article No. | Part No.    | Article No. | Part No.     | Article No. |
| 0.5                                      | FAZ6-C0,5/1 | 239029      | FAZ6-C0,5/2 | 239095      | FAZ6-C0,5/3 | 239120      | FAZ6-C0,5/4* | 239190      |
| 1                                        | FAZ6-C1/1   | 239030      | FAZ6-C1/2   | 239096      | FAZ6-C1/3   | 239121      | FAZ6-C1/4    | 239191      |
| 2                                        | FAZ6-C2/1   | 239031      | FAZ6-C2/2   | 239097      | FAZ6-C2/3   | 239122      | FAZ6-C2/4    | 239192      |
| 3                                        | FAZ6-C3/1   | 239032      | FAZ6-C3/2   | 239098      | FAZ6-C3/3   | 239127      | FAZ6-C3/4    | 239193      |
| 4                                        | FAZ6-C4/1   | 239033      | FAZ6-C4/2   | 239099      | FAZ6-C4/3   | 239132      | FAZ6-C4/4    | 239194      |
| 6                                        | FAZ6-C6/1   | 239034      | FAZ6-C6/2   | 239100      | FAZ6-C6/3   | 239139      | FAZ6-C6/4    | 239199      |
| 10                                       | FAZ6-C10/1  | 239035      | FAZ6-C10/2  | 239101      | FAZ6-C10/3  | 239144      | FAZ6-C10/4   | 239204      |
| 16                                       | FAZ6-C16/1  | 239037      | FAZ6-C16/2  | 239103      | FAZ6-C16/3  | 239148      | FAZ6-C16/4   | 239216      |
| 20                                       | FAZ6-C20/1  | 239038      | FAZ6-C20/2  | 239104      | FAZ6-C20/3  | 239149      | FAZ6-C20/4   | 239219      |
| 25                                       | FAZ6-C25/1  | 239039      | FAZ6-C25/2  | 239105      | FAZ6-C25/3  | 239150      | FAZ6-C25/4   | 239220      |
| 32                                       | FAZ6-C32/1  | 239040      | FAZ6-C32/2  | 239106      | FAZ6-C32/3  | 239151      | FAZ6-C32/4   | 239221      |
| 40                                       | FAZ6-C40/1  | 239041      | FAZ6-C40/2  | 239107      | FAZ6-C40/3  | 239152      | FAZ6-C40/4   | 239222      |
| 50                                       | FAZ6-C50/1  | 239042      | FAZ6-C50/2  | 239108      | FAZ6-C50/3  | 239153      | FAZ6-C50/4   | 239223      |
| 63                                       | FAZ6-C63/1  | 239043      | FAZ6-C63/2  | 239109      | FAZ6-C63/3  | 239154      | FAZ6-C63/4   | 239224      |

# FAZ6 | Characteristic D

## FAZ6 Miniature Circuit Breakers (MCBs) Characteristic D

Instantaneous release response current 10 - 20 x I<sub>n</sub>  
Breaking Capacity 10 kA (IEC/EN 60947-2) / 6 kA (IEC / EN 60898)



| Rated operational current I <sub>n</sub> | 1-pole     |             | 2-pole     |             | 3-pole     |             | 4-pole     |             |
|------------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                                          | Part No.   | Article No. | Part No.   | Article No. | Part No.   | Article No. | Part No.   | Article No. |
| 6                                        | FAZ6-D6/1  | 168061      | FAZ6-D6/2  | 168070      | FAZ6-D6/3  | 168079      | FAZ6-D6/4  | 168088      |
| 10                                       | FAZ6-D10/1 | 168062      | FAZ6-D10/2 | 168071      | FAZ6-D10/3 | 168080      | FAZ6-D10/4 | 168089      |
| 16                                       | FAZ6-D16/1 | 168063      | FAZ6-D16/2 | 168072      | FAZ6-D16/3 | 168081      | FAZ6-D16/4 | 168090      |
| 20                                       | FAZ6-D20/1 | 168064      | FAZ6-D20/2 | 168073      | FAZ6-D20/3 | 168082      | FAZ6-D20/4 | 168091      |
| 25                                       | FAZ6-D25/1 | 168065      | FAZ6-D25/2 | 168074      | FAZ6-D25/3 | 168083      | FAZ6-D25/4 | 168092      |
| 32                                       | FAZ6-D32/1 | 168066      | FAZ6-D32/2 | 168075      | FAZ6-D32/3 | 168084      | FAZ6-D32/4 | 168093      |
| 40                                       | FAZ6-D40/1 | 168067      | FAZ6-D40/2 | 168076      | FAZ6-D40/3 | 168085      | FAZ6-D40/4 | 168094      |
| 50                                       | FAZ6-D50/1 | 168068      | FAZ6-D50/2 | 168077      | FAZ6-D50/3 | 168086      | FAZ6-D50/4 | 168095      |
| 63                                       | FAZ6-D63/1 | 168069      | FAZ6-D63/2 | 168078      | FAZ6-D63/3 | 168087      | FAZ6-D63/4 | 168096      |

# FAZ | Specifications

## Specifications

### Technical data

|                                         | B Curve                              | C Curve                        | D Curve                        |
|-----------------------------------------|--------------------------------------|--------------------------------|--------------------------------|
| <b>Electrical</b>                       |                                      |                                |                                |
| Approvals                               | UR (UL 1077), CSA (CSA 22.2 No. 235) |                                |                                |
| Standards                               | IEC/EN 60947-2                       |                                |                                |
| Short-circuit trip response             | 3–5 $I_n$                            | 5–10 $I_n$                     | 10–20 $I_n$                    |
| <b>Miniature Circuit Breaker—IEC</b>    |                                      |                                |                                |
| Current range                           | 1–63A                                | 0.5–63A                        | 0.5–63A                        |
| Maximum voltage ratings—IEC 60947-2     |                                      |                                |                                |
| Single-pole                             | 230 Vac<br>48 Vdc                    | 230 Vac<br>48 Vdc              | 230 Vac<br>48 Vdc              |
| Two-, three-pole                        | 230/400 Vac                          | 230/400 Vac                    | 230/400 Vac                    |
| Maximum Voltage Ratings—IEC 60898       |                                      |                                |                                |
| Single-pole                             | 240 Vac<br>48 Vdc                    | 240 Vac<br>48 Vdc              | 240 Vac<br>48 Vdc              |
| Two-, three-pole                        | 240/415 Vac                          | 240/415 Vac                    | 240/415 Vac                    |
| Thermal tripping characteristics        |                                      |                                |                                |
| Single-pole                             | > 1 hour @ 1.05 x $I_n$              | > 1 hour @ 1.05 x $I_n$        | > 1 hour @ 1.05 x $I_n$        |
| Multi-pole                              | < 1 hour @ 1.3 x $I_n$               | < 1 hour @ 1.3 x $I_n$         | < 1 hour @ 1.3 x $I_n$         |
| Interrupt ratings (at max. voltage)     |                                      |                                |                                |
| IEC 60947-2                             | 15 kA                                | 15 kA                          | 15 kA                          |
| IEC 60898                               | 10 kA                                | 10 kA                          | 10 kA                          |
| Operational switching capacity          | 7.5 kA                               | 7.5 kA                         | 7.5 kA                         |
| Max. back-up fuse [gL/gG]               | 125A                                 | 125A                           | 125A                           |
| Rated impulse withstand— $U_{imp}$      | 4000 Vac                             | 4000 Vac                       | 4000 Vac                       |
| Rated insulation voltage— $U_i$         | 440 Vac                              | 440 Vac                        | 440 Vac                        |
| <b>Supplementary Protectors—UL/CSA</b>  |                                      |                                |                                |
| Current range                           | 1–63A                                | 0.5–63A                        | 0.5–40A                        |
| Maximum voltage ratings—UL/CSA          |                                      |                                |                                |
| Single-pole                             | 277 Vac<br>48 Vdc                    | 277 Vac<br>48 Vdc              | 277 Vac<br>48 Vdc              |
| Two-, three-pole                        | 480Y/277 Vac                         | 480Y/277 Vac                   | 480Y/277 Vac                   |
| Two poles in series                     | 96 Vdc                               | 96 Vdc                         | 96 Vdc                         |
| Thermal tripping characteristics        |                                      |                                |                                |
| Single-pole                             | 1.35 x $I_n$ @ 40°C                  | 1.35 x $I_n$ @ 40°C            | 1.35 x $I_n$ @ 40°C            |
| Multi-pole                              | 1.45 x $I_n$ @ 40°C                  | 1.45 x $I_n$ @ 40°C            | 1.45 x $I_n$ @ 40°C            |
| Short-circuit ratings (at max. voltage) |                                      |                                |                                |
| Single-pole                             | 10 kA (5 kA for 40–63A device)       | 10 kA (5 kA for 40–63A device) | 5 kA                           |
| Two-, three-pole                        | 10 kA (5 kA for 40–63A device)       | 10 kA (5 kA for 40–63A device) | 5 kA                           |
| Single-pole                             | 10 kA @ 48 Vdc                       | 10 kA @ 48 Vdc                 | 10 kA @ 48 Vdc                 |
| Two poles in series                     | 10 kA @ 96 Vdc                       | 10 kA @ 96 Vdc                 | 10 kA @ 96 Vdc                 |
| <b>Environmental/General</b>            |                                      |                                |                                |
| Selectivity class                       | 3                                    | 3                              | 3                              |
| Lifespan (operations)                   | > 10000 (1 operation = ON/OFF)       | > 10000 (1 operation = ON/OFF) | > 10000 (1 operation = ON/OFF) |
| Shock (IEC 68-2-22)                     | 10g–120 ms                           | 10g–120 ms                     | 10g–120 ms                     |
| Operating temperature range             | -40 to +75°C                         | -40 to +75°C                   | -40 to +75°C                   |
| <b>Mechanical</b>                       |                                      |                                |                                |
| Standard front dimension                |                                      |                                |                                |
| Device height                           | 80 mm                                | 80 mm                          | 80 mm                          |
| Terminal protection                     | Finger and back-of-hand proof        | Finger and back-of-hand proof  | Finger and back-of-hand proof  |
| Mounting width per pole                 | 17.5 mm                              | 17.5 mm                        | 17.5 mm                        |
| Mounting                                | IEC/EN 60715 top-hat rail            | IEC/EN 60715 top-hat rail      | IEC/EN 60715 top-hat rail      |
| Degree of protection                    | IP20                                 | IP20                           | IP20                           |
| Terminals top and bottom                | Twin-purpose terminals               | Twin-purpose terminals         | Twin-purpose terminals         |
| Supply connection                       | Line or load side                    | Line or load side              | Line or load side              |
| Terminal capacity [mm <sup>2</sup> ]    | 1 x 25 / 2 x 10                      | 1 x 25 / 2 x 10                | 1 x 25 / 2 x 10                |
| Torque                                  | 2.4 Nm                               | 2.4 Nm                         | 2.4 Nm                         |
| Thickness of busbar material            | 0.8–2 mm                             | 0.8–2 mm                       | 0.8–2 mm                       |
| Mounting position                       | As required                          | As required                    | As required                    |

# FAZ | Specifications

## Specifications

### Technical Data (continued)

|                                                  | K Curve                                       | Z Curve                        |
|--------------------------------------------------|-----------------------------------------------|--------------------------------|
| <b>Electrical</b>                                |                                               |                                |
| Approvals                                        | UR (UL 1077), CSA (CSA 22.2 No. 235), CE, VDE |                                |
| Standards                                        | IEC/EN 60947-2                                |                                |
| Short-circuit trip response                      | 8–12 $I_n$                                    | 2–3 $I_n$                      |
| <b>Miniature Circuit Breaker—IEC</b>             |                                               |                                |
| Current range                                    | 0.5–63A                                       | 1–63A                          |
| Maximum voltage ratings—IEC 60947-2              |                                               |                                |
| Single-pole, single-pole + neutral               | 240 Vac                                       | 240 Vac                        |
| Two-, three-, four-pole, three-pole + neutral    | 240/415 Vac                                   | 240/415 Vac                    |
| Thermal tripping characteristics                 |                                               |                                |
| Single-pole                                      | > 1 hour @ 1.05 x $I_n$                       | > 1 hour @ 1.05 x $I_n$        |
| Multi-pole                                       | < 1 hour @ 1.3 x $I_n$                        | < 1 hour @ 1.3 x $I_n$         |
| Interrupt ratings (at max. voltage)              |                                               |                                |
| IEC 60947-2                                      | 15 kA                                         | 10 kA                          |
| IEC 60898                                        | 15 kA                                         | 10 kA                          |
| Operational switching capacity                   | 7.5 kA                                        | 7.5 kA                         |
| Max. back-up fuse [gL/gG]                        | 125A                                          | 125A                           |
| Rated impulse withstand— $U_{imp}$               | 4000 Vac                                      | 4000 Vac                       |
| Rated insulation voltage— $U_i$                  | 440 Vac                                       | 440 Vac                        |
| <b>Supplementary Protectors—UL/CSA</b>           |                                               |                                |
| Current range                                    | 0.5–63A                                       | 1–63A                          |
| Maximum voltage ratings—UL/CSA                   |                                               |                                |
| Single-pole, single-pole + neutral               | 277 Vac<br>48 Vdc                             | 277 Vac<br>48 Vdc              |
| Two-, three-, four-pole and three-pole + neutral | 480Y/277 Vac                                  | 480Y/277 Vac                   |
| Two poles in series                              | 96 Vdc                                        | 96 Vdc                         |
| Thermal tripping characteristics                 |                                               |                                |
| Single-pole                                      | 1.35 x $I_n$ @ 40°C                           | 1.35 x $I_n$ @ 40°C            |
| Multi-pole                                       | 1.45 x $I_n$ @ 40°C                           | 1.45 x $I_n$ @ 40°C            |
| Short-circuit ratings (at max. voltage)          |                                               |                                |
| Single-pole                                      | 5 kA @ 277 Vac                                | 5 kA @ 277 Vac                 |
| Single-pole + neutral                            | 5 kA @ 277 Vac                                | 5 kA @ 277 Vac                 |
| Two-, three-, four-pole                          | 5 kA @ 480Y/277 Vac                           | 5 kA @ 480Y/277 Vac            |
| <b>Environmental/General</b>                     |                                               |                                |
| Selectivity class                                | 3                                             | 3                              |
| Lifespan (operations)                            | > 10000 (1 operation = ON/OFF)                | > 10000 (1 operation = ON/OFF) |
| Shock (IEC 68-2-22)                              | 10g–120 ms                                    | 10g–120 ms                     |
| Operating temperature range                      | -5 to +40°C                                   | -5 to +40°C                    |
| <b>Mechanical</b>                                |                                               |                                |
| Standard front dimension                         |                                               |                                |
| Device height                                    | 80 mm                                         | 80 mm                          |
| Terminal protection                              | Finger and back-of-hand proof                 | Finger and back-of-hand proof  |
| Mounting width per pole                          | 17.5 mm                                       | 17.5 mm                        |
| Mounting                                         | IEC/EN 60715 top-hat rail                     | IEC/EN 60715 top-hat rail      |
| Degree of protection                             | IP20                                          | IP20                           |
| Terminals top and bottom                         | Twin-purpose terminals                        | Twin-purpose terminals         |
| Supply connection                                | Line or load side                             | Line or load side              |
| Terminal capacity [mm <sup>2</sup> ]             | 1 x 25 / 2 x 10                               | 1 x 25 / 2 x 10                |
| Torque                                           | 2.4 Nm                                        | 2.4 Nm                         |
| Thickness of busbar material                     | 0.8–2 mm                                      | 0.8–2 mm                       |
| Mounting position                                | As required                                   | As required                    |

# FAZ6 | Specifications

## Specifications

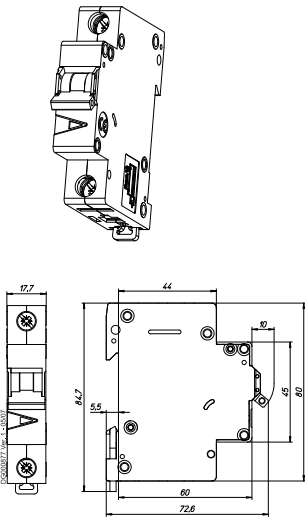
### Technical data

|                                          | B Curve                          | C Curve                          | D Curve                          |
|------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Electrical</b>                        |                                  |                                  |                                  |
| Standards                                | IEC/EN 60947-2                   |                                  |                                  |
| Short-circuit trip response              | 3–5 I <sub>n</sub>               | 5–10 I <sub>n</sub>              | 10–20 I <sub>n</sub>             |
| Current range                            | 6–63A                            | 0.5–63A                          | 6–63A                            |
| Maximum voltage ratings                  | 230/400Vac                       | 230/400Vac                       | 230/400Vac                       |
| Thermal tripping characteristics         |                                  |                                  |                                  |
| Single-pole                              | > 1 hour @ 1.05 x I <sub>n</sub> | > 1 hour @ 1.05 x I <sub>n</sub> | > 1 hour @ 1.05 x I <sub>n</sub> |
| Multi-pole                               | < 1 hour @ 1.3 x I <sub>n</sub>  | < 1 hour @ 1.3 x I <sub>n</sub>  | < 1 hour @ 1.3 x I <sub>n</sub>  |
| Interrupt ratings (at max. voltage)      |                                  |                                  |                                  |
| IEC 60947-2                              | 10kA                             | 10kA                             | 10kA                             |
| IEC 60898                                | 6kA                              | 6kA                              | 6kA                              |
| Rated impulse withstand—U <sub>imp</sub> | 4000Vac                          | 4000Vac                          | 4000Vac                          |
| Rated insulation voltage—U <sub>i</sub>  | 440Vac                           | 440Vac                           | 440Vac                           |
| <b>Environmental/General</b>             |                                  |                                  |                                  |
| Selectivity class                        | 3                                | 3                                | 3                                |
| Lifespan (operations)                    | > 10000 (1 operation = ON/OFF)   | > 10000 (1 operation = ON/OFF)   | > 10000 (1 operation = ON/OFF)   |
| Shock (IEC 68-2-22)                      | 10g–120 ms                       | 10g–120 ms                       | 10g–120 ms                       |
| Operating temperature range              | -40 to +75°C                     | -40 to +75°C                     | -40 to +75°C                     |
| <b>Mechanical</b>                        |                                  |                                  |                                  |
| Standard front dimension                 |                                  |                                  |                                  |
| Device height                            | 80 mm                            | 80 mm                            | 80 mm                            |
| Terminal protection                      | Finger and back-of-hand proof    | Finger and back-of-hand proof    | Finger and back-of-hand proof    |
| Mounting width per pole                  | 17.5 mm                          | 17.5 mm                          | 17.5 mm                          |
| Mounting                                 | EC/EN 60715 top-hat rail         | IEC/EN 60715 top-hat rail        | IEC/EN 60715 top-hat rail        |
| Degree of protection                     | IP20                             | IP20                             | IP20                             |
| Terminals top and bottom                 | Twin-purpose terminals           | Twin-purpose terminals           | Twin-purpose terminals           |
| Supply connection                        | Line or load side                | Line or load side                | Line or load side                |
| Terminal capacity [mm <sup>2</sup> ]     | 1 x 25 / 2 x 10                  | 1 x 25 / 2 x 10                  | 1 x 25 / 2 x 10                  |
| Torque                                   | 2.4 Nm                           | 2.4 Nm                           | 2.4 Nm                           |
| Thickness of busbar material             | 0.8–2 mm                         | 0.8–2 mm                         | 0.8–2 mm                         |
| Mounting position                        | As required                      | As required                      | As required                      |

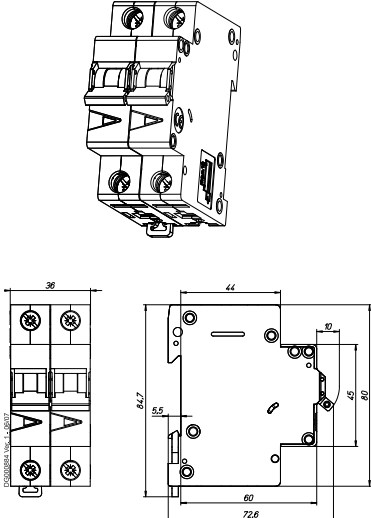
# FAZ / FAZ6 | Specifications

## Dimensions (mm) FAZ

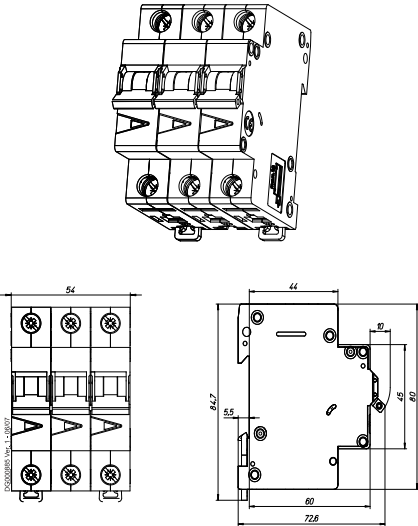
1-pole



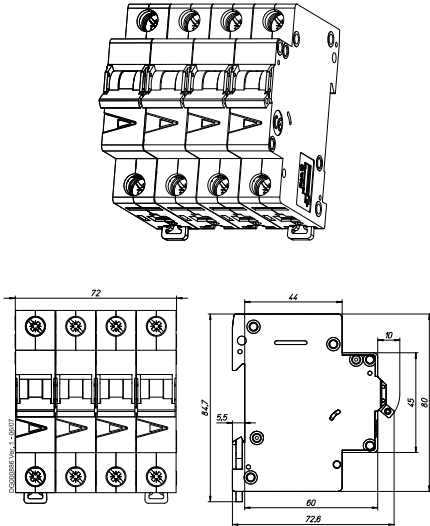
1+N-pole, 2-pole



3-pole



3+N-pole, 4-pole

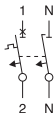


## Connection diagrams

1-pole



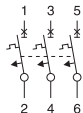
1+N-pole (2MU)



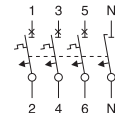
2-pole



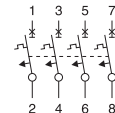
3-pole



3+N-pole



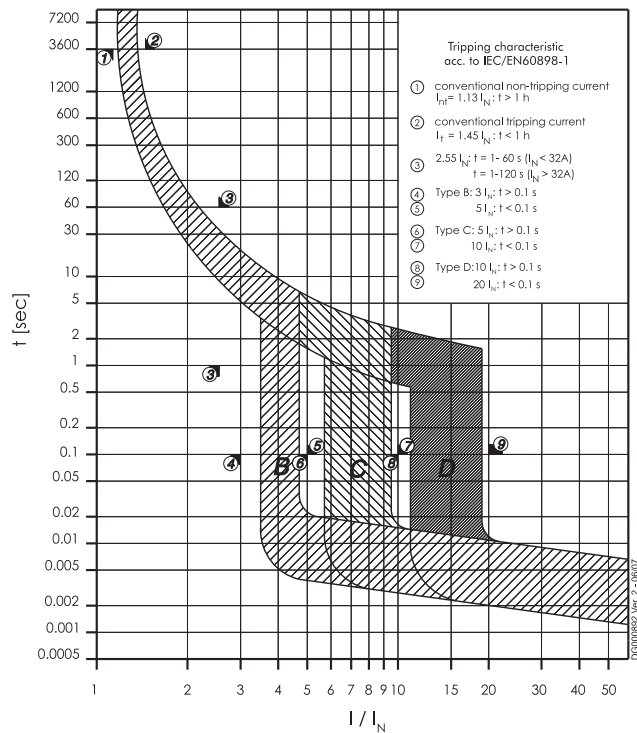
4-pole



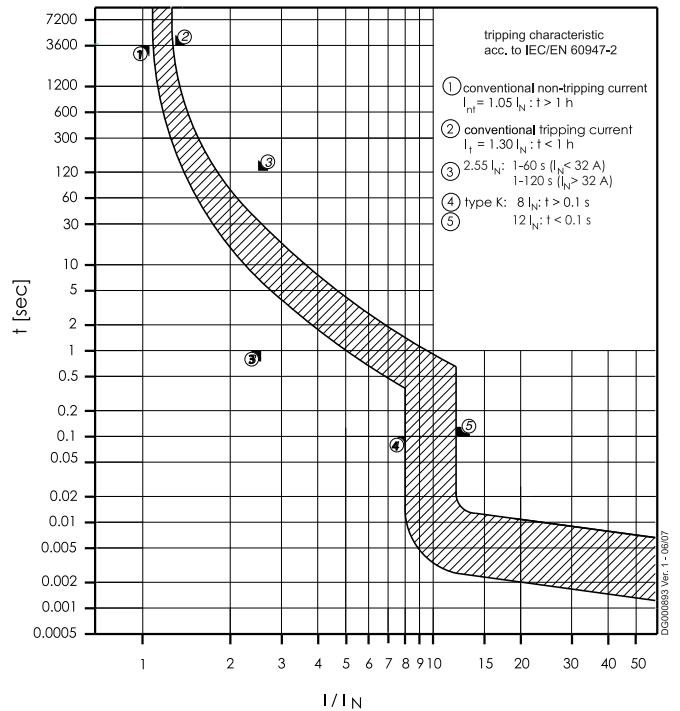
# FAZ / FAZ6 | Specifications

## Tripping Characteristic

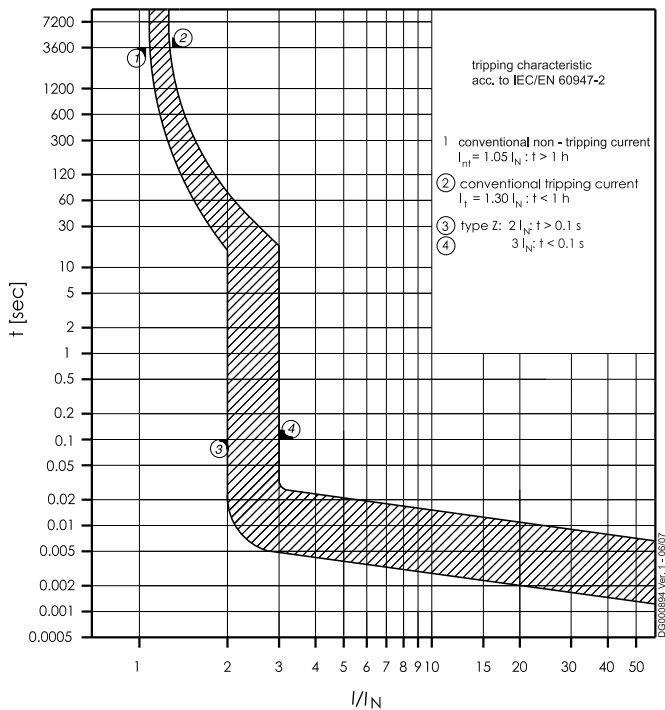
Characteristics B, C and D - IEC/EN60898-1



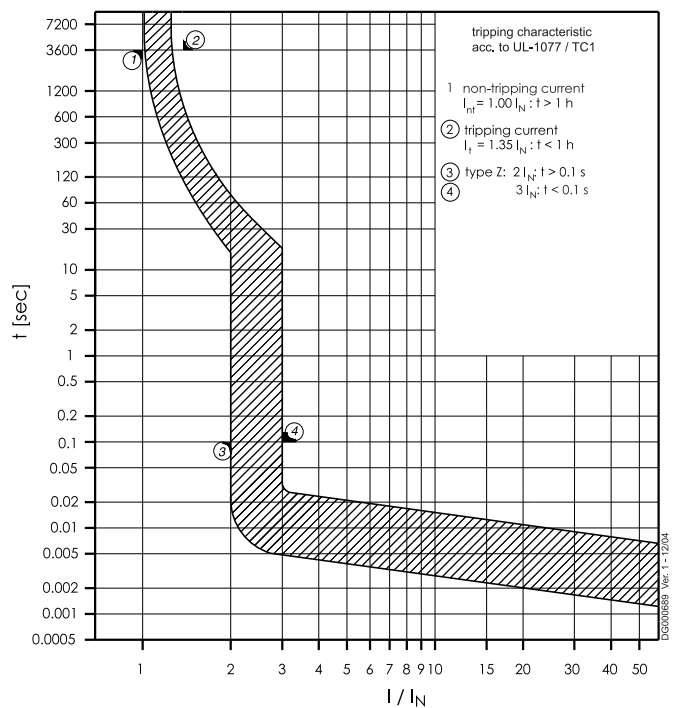
Characteristic K - IEC/EN 60947-2



Characteristic Z - IEC/EN 60947-2

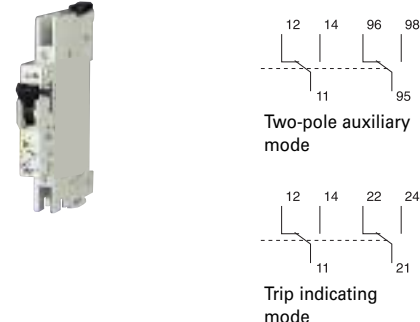


Characteristic Z - UL1077

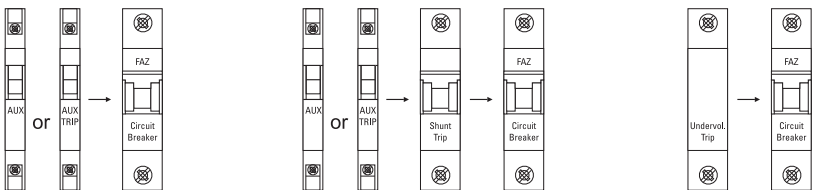


# Accessories for FAZ / FAZ6 - MCBs

## Auxiliary Contacts and Voltage Trips

|                                                                                                                                                                        | Circuit Diagram                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                    | Rated Operational Voltage                             | Type Designation                                      | Article No.                | Units per package |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|----------------------------|-------------------|
| SG13411                                                                                                                                                                |    | <b>Standard Auxiliary Contact</b> <ul style="list-style-type: none"><li>• 1NO/1NC</li><li>• Installs on left side of MCB or shunt trip</li><li>• Max. one per FAZ (1077) device</li><li>• Switches when MCB is tripped electrically or manually</li></ul>                                                                                                                                      | 230 Vac                                               | FAZ-XHIN11                                            | 286054                     | 1                 |
| SG84411                                                                                                                                                                |    | <b>Auxiliary/Trip Indicating Contact</b> <ul style="list-style-type: none"><li>• Small selector screw changes mode</li><li>• Two Form C (changeover) contacts</li><li>• Installs on left side of MCB or shunt trip</li><li>• Auxiliary contacts switch when MCB is tripped electrically or manually</li><li>• Trip indicating contact switches only when MCB is tripped electrically</li></ul> | 230 Vac                                               | FAZ-XAM002                                            | 262414                     | 1                 |
| SG85411                                                                                                                                                                |   | <b>Undervoltage Trip</b> <ul style="list-style-type: none"><li>• Prevents MCB from operating unless voltage is present</li><li>• Installs on left side of MCB</li><li>• Includes test button</li></ul>                                                                                                                                                                                         | 115 Vac<br>230 Vac<br>400 Vac                         | FAZ-XUA(115VAC)<br>FAZ-XUA(230VAC)<br>FAZ-XUA(400VAC) | 212049<br>212051<br>212053 | 1<br>1<br>1       |
| SG12311                                                                                                                                                                |  | <b>Shunt Trip</b> <ul style="list-style-type: none"><li>• Allows remote trip of MCB</li><li>• Installs on left side of MCB</li></ul>                                                                                                                                                                                                                                                           | 12–110 Vac<br>12–60 Vdc<br>110–415 Vac<br>110–230 Vdc | FAZ-XAA-C-12-110VAC<br>FAZ-XAA-C-110-415VAC           | 278518<br>278519           | 1<br>1            |
| <b>Padlock Hasp (for all FAZ)</b> <ul style="list-style-type: none"><li>• Prevents reactivation of the device during maintenance</li><li>• Holds one padlock</li></ul> |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                |                                                       | IS/SPE-1TE                                            | 101911                     | 1                 |

## Allowable Combinations of Accessories



# Accessories for FAZ / FAZ6 - MCBs

## Specifications

### Technical Data

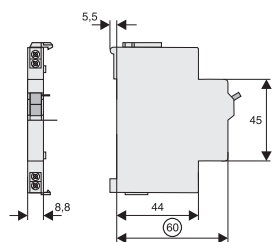
|                                                     | FAZ-XHIN<br>FAZ-XAM002                       | FAZ-XAA-C                                    | FAZ-XUA                                      |
|-----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| <b>Electrical</b>                                   |                                              |                                              |                                              |
| Contact function                                    | 1A + 1B<br>2 C/O                             | —                                            | —                                            |
| Rated operational voltage $U_n$                     | 250 Vac                                      | —                                            | 115 Vac<br>230 Vac<br>400 Vac                |
| Voltage range                                       | —                                            | 12–110 Vac<br>12–60 Vdc                      | —                                            |
| Voltage range                                       | —                                            | 110–415 Vac<br>110–230 Vdc                   | —                                            |
| Closing threshold [ $\times U_n$ ]                  | —                                            | —                                            | 0.8                                          |
| Tripping threshold [ $\times U_n$ ]                 | —                                            | —                                            | 0.5                                          |
| Rated frequency $f$                                 | 50/60 Hz                                     | 50/60 Hz                                     | 50/60 Hz                                     |
| General use (UL/CSA)                                |                                              |                                              |                                              |
| AC—230/240 Vac                                      | 2/2A                                         | —                                            | —                                            |
| DC—110/120 Vdc                                      | 0.5/0.5A                                     | —                                            | —                                            |
| Pilot duty                                          | A600/Q600                                    | —                                            | —                                            |
| Conventional free air thermal current $I_{th}$      | 4A                                           | —                                            | —                                            |
| Rated operational current                           |                                              |                                              |                                              |
| AC-13 $I_e$                                         | 3A (250 Vac)                                 | —                                            | —                                            |
| AC-15 $I_e$                                         | 2A (250 Vac)                                 | —                                            | —                                            |
| DC-13 $I_e$                                         | 0.5A (110 Vdc)                               | —                                            | —                                            |
| Rated insulation voltage $U_i$                      | 250 Vac                                      | —                                            | —                                            |
| Minimum operating voltage per contract $U_{min}$    | 5 Vdc                                        | —                                            | —                                            |
| Rated impulse withstand voltage (1.2/50 ) $U_{imp}$ | 2.5 kV                                       | —                                            | —                                            |
| Rated conditional short-circuit current             |                                              |                                              |                                              |
| with 6A back-up fuse $I_{sc}$                       | 1 kA                                         | —                                            | —                                            |
| Max. admissible back-up fuse                        | 4A gL                                        | —                                            | —                                            |
| <b>Mechanical</b>                                   |                                              |                                              |                                              |
| Standard front dimension                            | 45 mm                                        | 45 mm                                        | 45 mm                                        |
| Device height                                       | 80 mm                                        | 80 mm                                        | 80 mm                                        |
| Mounting width                                      | 8.8 mm                                       | 17.6 mm                                      | 17.8 mm                                      |
| Degree of protection enclosed                       | IP40                                         | IP40                                         | IP40                                         |
| Terminal protection                                 | Protection against electric shock to IEC 536 | Protection against electric shock to IEC 536 | Protection against electric shock to IEC 536 |
| Terminals                                           | Lift terminals                               | Twin-purpose terminals                       | Twin-purpose terminals                       |
| Terminal capacity [mm <sup>2</sup> ]                |                                              |                                              |                                              |
| Solid                                               | 0.5–2.5                                      | 1–2.5                                        | 2 x (1–2.5)                                  |
| Flexible                                            | 0.5–2.5                                      | 1–2.5                                        | 2 x (1–2.5)                                  |
| Tightening torque of terminal screws                | 0.8–1.0 Nm (7–9 lb-in)                       | 2.4 Nm (21 lb-in)                            | 0.8 Nm (7 lb-in)                             |

# Accessories for FAZ / FAZ6 - MCBs

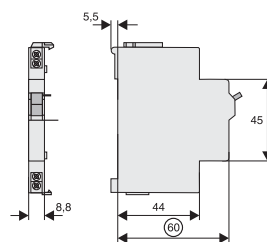
## Dimensions (mm) Accessories

### Auxiliary Contacts

FAZ-XHI11

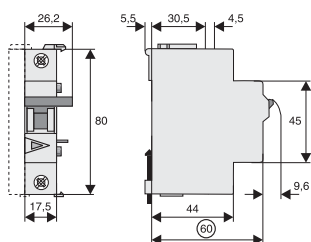


FAZ-XAM002



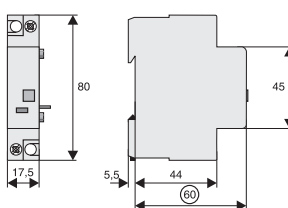
### Shunt Releases

FAZ-XAA



### Undervoltage Releases

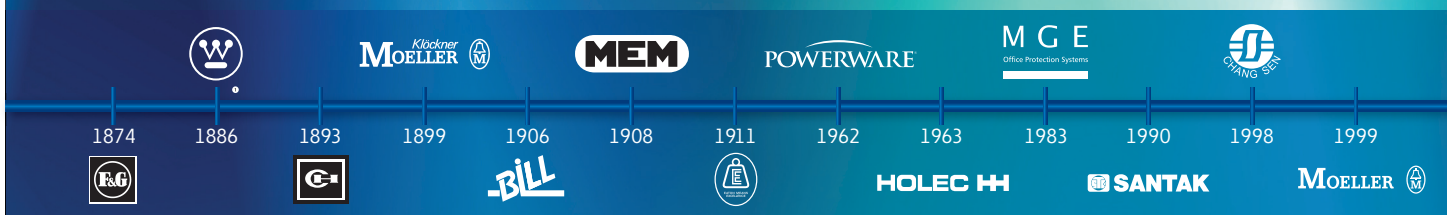
FAZ-XUA





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Printed in UK  
Form No. BR01101001U  
April 2012

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