

# 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

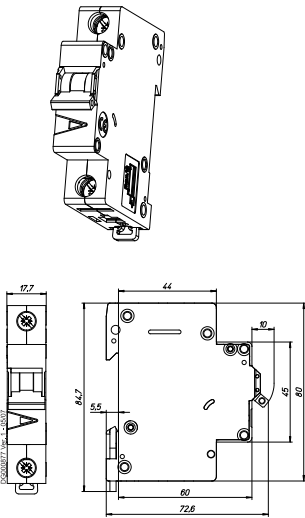
### Technical data

|                                          | 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                      |

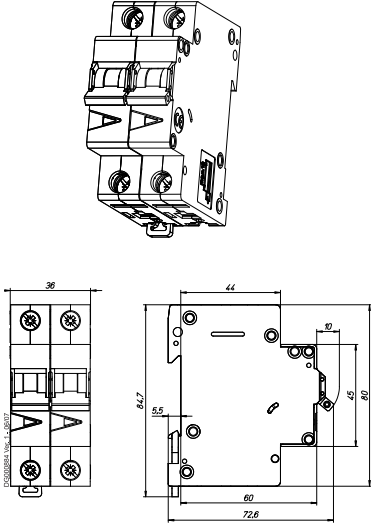
# FAZ / FAZ6 | Specifications

## Dimensions (mm) FAZ

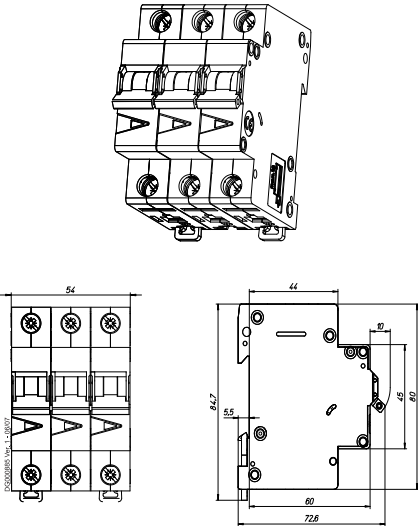
1-pole



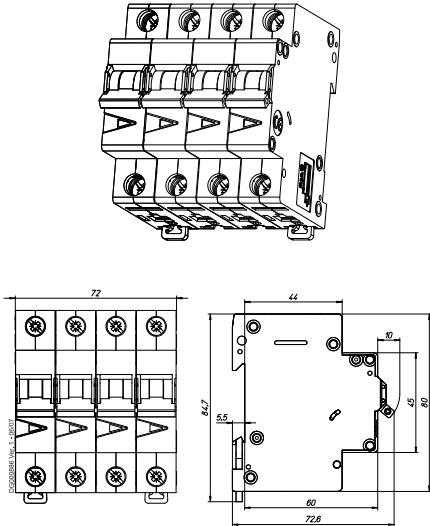
1+N-pole, 2-pole



3-pole



3+N-pole, 4-pole

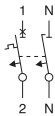


## Connection diagrams

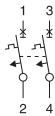
1-pole



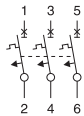
1+N-pole (2MU)



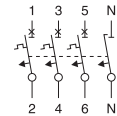
2-pole



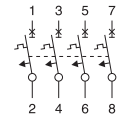
3-pole



3+N-pole



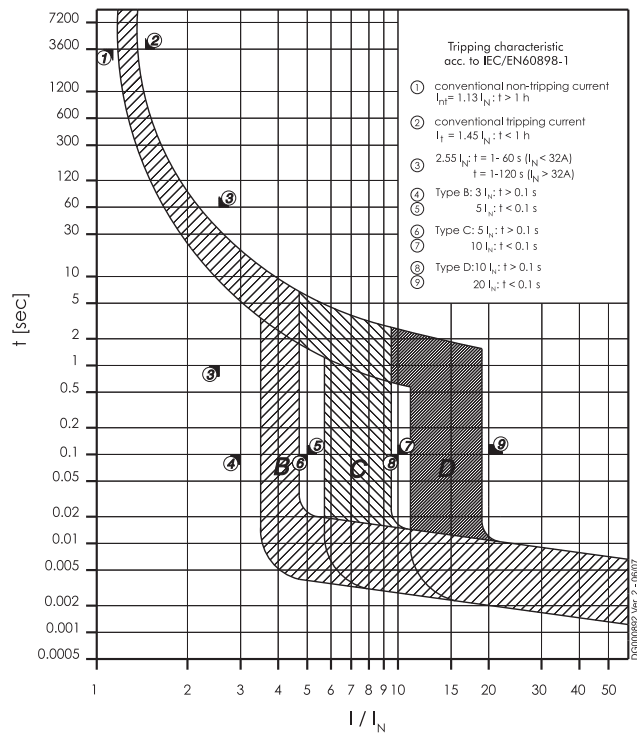
4-pole



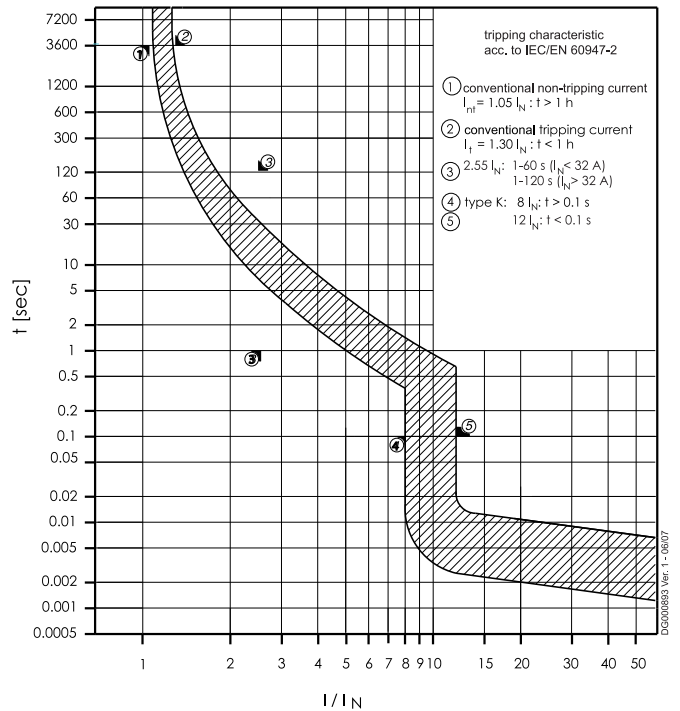
# FAZ / FAZ6 | Specifications

## Tripping Characteristic

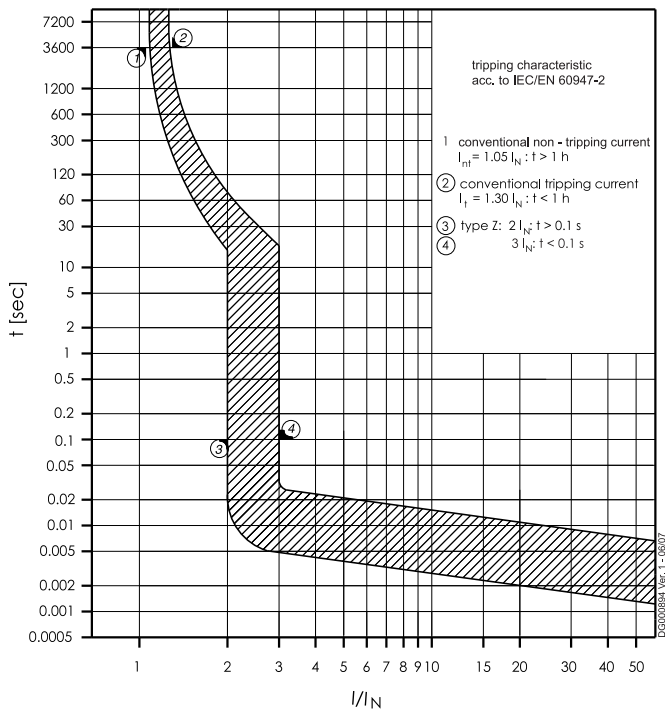
Characteristics B, C and D - IEC/EN60898-1



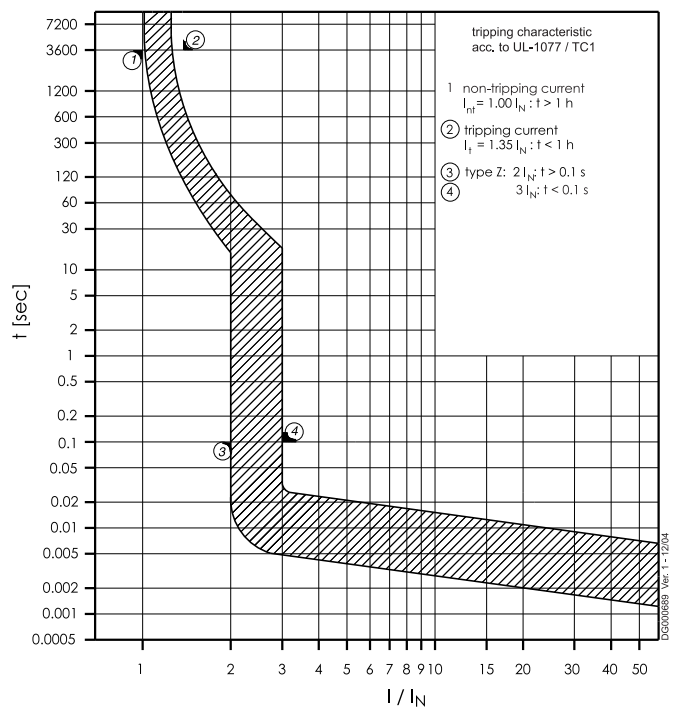
Characteristic K - IEC/EN 60947-2



Characteristic Z - IEC/EN 60947-2

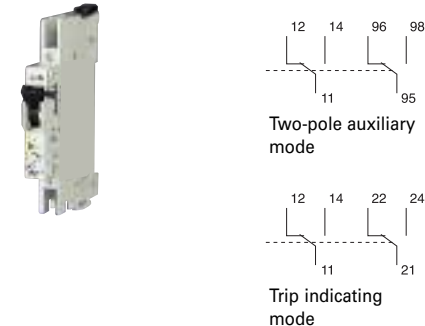


Characteristic Z - UL1077

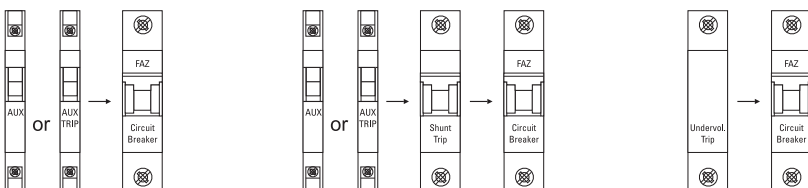


# Accessories for FAZ / FAZ6 - MCBs

## Auxiliary Contacts and Voltage Trips

|                                          | Circuit Diagram                                                                     | Description                                                                                                                                                                                                                                                                                                                                           | Rated Operational Voltage | Type Designation     | Article No. | Units per package |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|-------------|-------------------|
| <b>Standard Auxiliary Contact</b>        |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |                           |                      |             |                   |
| SG13411                                  |    | <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                 |
| <b>Auxiliary/Trip Indicating Contact</b> |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |                           |                      |             |                   |
| SG84411                                  |    | <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                 |
| <b>Undervoltage Trip</b>                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |                           |                      |             |                   |
| SG85411                                  |   | <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                   | FAZ-XUA(115VAC)      | 212049      | 1                 |
|                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       | 230 Vac                   | FAZ-XUA(230VAC)      | 212051      | 1                 |
|                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       | 400 Vac                   | FAZ-XUA(400VAC)      | 212053      | 1                 |
| <b>Shunt Trip</b>                        |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       |                           |                      |             |                   |
| SG12311                                  |  | <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                | FAZ-XAA-C-12-110VAC  | 278518      | 1                 |
|                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       | 12–60 Vdc                 |                      |             |                   |
|                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       | 110–415 Vac               | FAZ-XAA-C-110-415VAC | 278519      | 1                 |
|                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                       | 110–230 Vdc               |                      |             |                   |
| <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

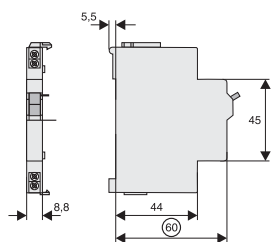
|                                                     | <b>FAZ-XHIN<br/>FAZ-XAM002</b>               | <b>FAZ-XAA-C</b>                             | <b>FAZ-XUA</b>                               |
|-----------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| <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

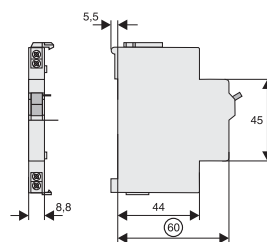
## Dimensions (mm) Accessories

### Auxiliary Contacts

FAZ-XHI11

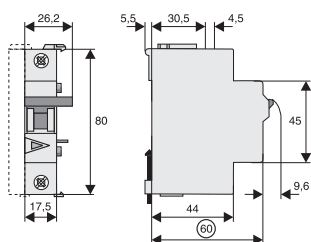


FAZ-XAM002



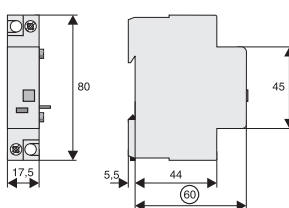
### Shunt Releases

FAZ-XAA



### Undervoltage Releases

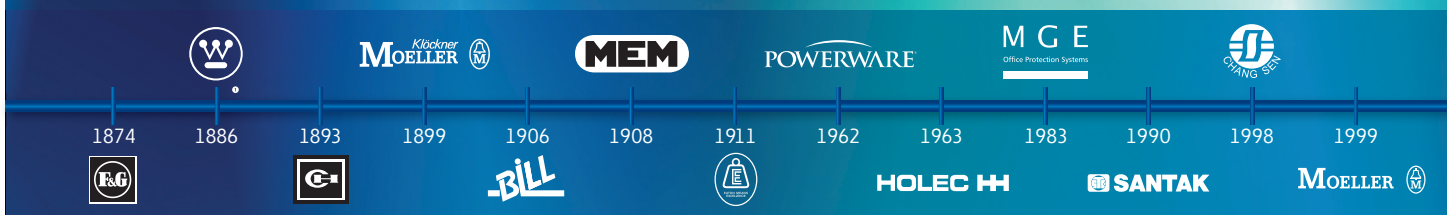
FAZ-XUA





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