

Technische Fiche: AM618350--

# Amparo Beveiligingsautomaat 6kA karakteristiek B 50A 3P

Product AM6, Productnormen EN 60898-1:2019, IEC 60898-1



## Schrack Info

- Double lift and clamp terminals on both sides
- Neutral on the left side
- Back terminal protection for safe connection
- Terminal cross section: 1 - 25mm<sup>2</sup>
- Snap-on mounting for DIN rail EN 60715

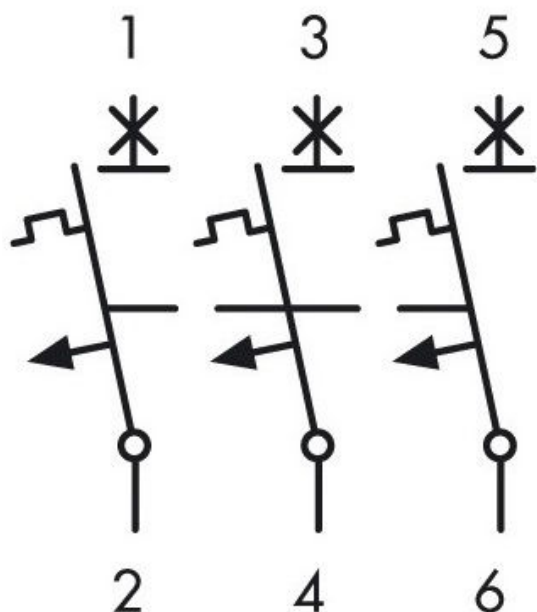
## Technische gegevens

|                                           |                           |
|-------------------------------------------|---------------------------|
| Normen                                    | IEC 60898-1<br>EN 60898-1 |
| Nominale spanning                         | 230/400 - 240/415V        |
| Nominale frequentie (Hz)                  | 50/ 60                    |
| Karakteristiek                            | B                         |
| Nominale stroom (A)                       | 50                        |
| Aantal polen                              | 3                         |
| Kortsluitvastheid                         | 6 kA (IEC/EN 60898)       |
| Nominale impuls spanning U <sub>imp</sub> | 4kV                       |

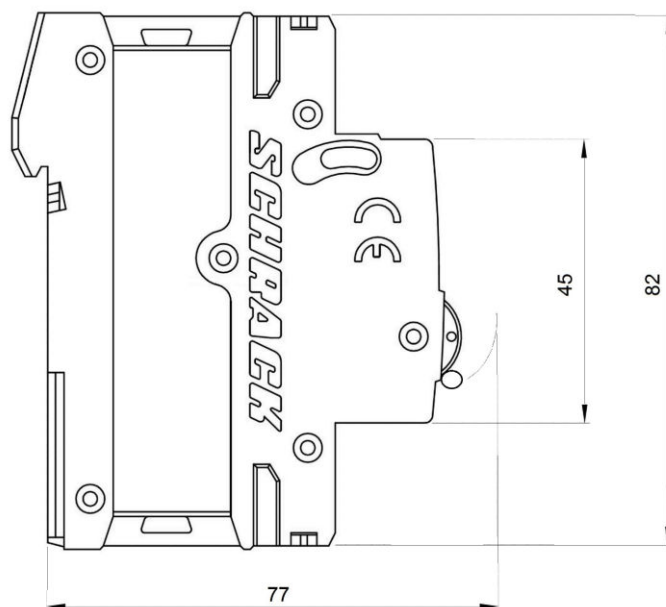
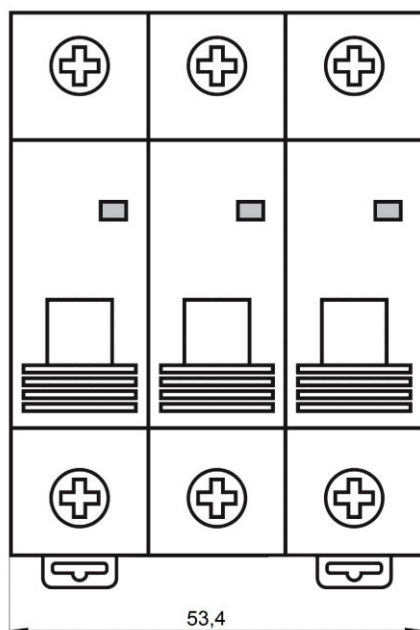
## Technische gegevens - vervolg

|                                      |                                                                              |
|--------------------------------------|------------------------------------------------------------------------------|
| Selectiviteitsklasse                 | 3                                                                            |
| Test spanning (V)                    | 2000                                                                         |
| Vervuilingsgraad                     | 2                                                                            |
| Stroomwarmteverliezen (W)            | 17,25                                                                        |
| Interne weerstand                    | 50A: 1,226mΩ                                                                 |
| Elektrische levensduur               | 4.000 schakelingen                                                           |
| Mechanische levensduur               | 2x10 <sup>4</sup> schakelingen                                               |
| Beschermingsgraad                    | IP20                                                                         |
| Aansluitingen                        | Beide zijden                                                                 |
| Klemdoorsnede (mm <sup>2</sup> )     | 1-25                                                                         |
| Aansluitcapaciteit verdeelrail       | 10mm <sup>2</sup>                                                            |
| Uitvoering geleider                  | Koper                                                                        |
| Type klemmen                         | Dubbele liftklemmen met klembescherming aan de achterzijde                   |
| Aandraaikoppel (max.)                | 2,5Nm                                                                        |
| Calibratie temperatuur (°C)          | 30                                                                           |
| Temperatuursbereik - Werking (°C)    | -35°C tot +70                                                                |
| Omgevingstemperatuur open (°C)       | -5°C bis +40                                                                 |
| Bevestiging                          | Bevestiging op DIN-rail 35mm volgens EN60715                                 |
| Optionele toebehoren                 | AM900099--;BSB90113-A;BSB90114-A;BSB90155-A;AM900008--;AM900006--;AM900005-- |
| Montagerichting                      | Vrij                                                                         |
| Nominale stroomsterkte (A)           | 50                                                                           |
| Product                              | AM6                                                                          |
| Rated breaking capacity UL/ CSA (kA) | 6                                                                            |
| Productnormen                        | IEC 60898-1<br>EN 60898-1:2019                                               |

## Schaltbild

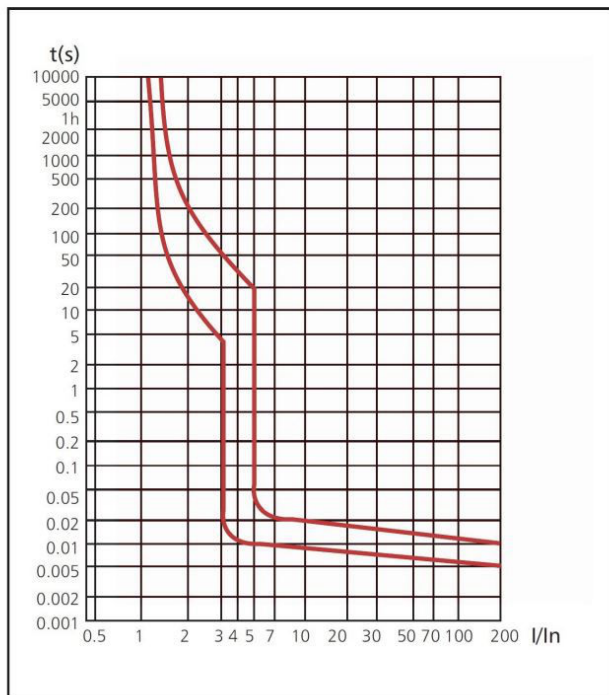


## Maßbild



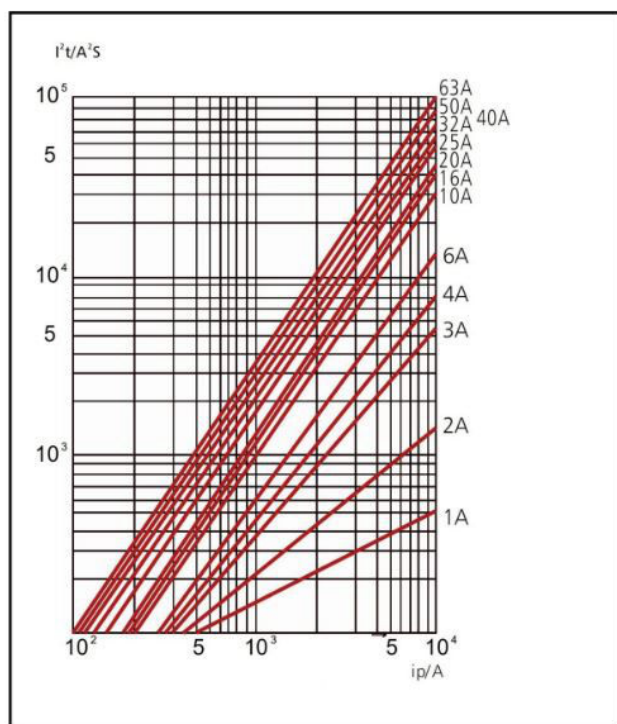
## Auslösecharakteristik nach IEC 60898

Kennlinie B



## Durchlassenergie-Kennlinie

$I^2t$  Durchlassenergie/ let-through energy



## Gegevens tabel: Amparo Beveiligingsautomaat 6kA karakteristiek B 50A 3P

|     | -35°C | -30°C | -20°C | -10°C | 0°C   | 10°C  | 20°C  | 30°C  | 40°C  | 50°C  | 60°C  |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2A  | 2,60  | 2,52  | 2,46  | 2,38  | 2,28  | 2,20  | 2,08  | 2,00  | 1,92  | 1,86  | 1,76  |
| 4A  | 5,20  | 5,04  | 4,92  | 4,76  | 4,56  | 4,40  | 4,16  | 4,00  | 3,84  | 3,76  | 3,52  |
| 6A  | 7,80  | 7,56  | 7,38  | 7,14  | 6,48  | 6,60  | 6,24  | 6,00  | 5,76  | 5,64  | 5,28  |
| 10A | 13,20 | 12,70 | 12,50 | 12,00 | 11,50 | 11,10 | 10,60 | 10,00 | 9,60  | 9,30  | 8,90  |
| 16A | 21,12 | 20,48 | 20,00 | 19,20 | 18,40 | 17,76 | 16,96 | 16,00 | 15,36 | 14,88 | 14,24 |
| 20A | 26,40 | 25,60 | 25,00 | 24,00 | 23,00 | 22,20 | 21,20 | 20,00 | 19,20 | 18,60 | 17,80 |
| 25A | 33,00 | 32,00 | 31,25 | 30,00 | 28,75 | 27,75 | 26,50 | 25,00 | 24,00 | 23,25 | 22,25 |
| 32A | 42,56 | 41,28 | 40,00 | 38,72 | 37,12 | 35,52 | 33,92 | 32,00 | 30,72 | 29,76 | 28,16 |
| 40A | 53,20 | 51,20 | 50,00 | 48,00 | 46,40 | 44,80 | 42,40 | 40,00 | 38,40 | 37,20 | 35,60 |
| 50A | 67,00 | 65,50 | 63,00 | 60,50 | 58,00 | 56,00 | 53,00 | 50,00 | 48,00 | 46,50 | 44,00 |
| 63A | 83,79 | 81,90 | 80,01 | 76,86 | 73,71 | 70,56 | 66,78 | 63,00 | 60,48 | 58,90 | 55,44 |

## Gegevens tabel: Amparo Beveiligingsautomaat 6kA karakteristiek B 50A 3P

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| LS, Serie AMPARO<br>Kennlinie B | Versorgung: Leistungsschalter Serie MC1 |        |        |        |        |        |
|---------------------------------|-----------------------------------------|--------|--------|--------|--------|--------|
|                                 | I <sub>N</sub>                          | 40 A   | 50 A   | 63 A   | 80 A   | 100 A  |
|                                 | 2A                                      | 2 kA   | 6 kA   | 6 kA   | 6 kA   | 6 kA   |
|                                 | 4A                                      | 1,2 kA | 2 kA   | 3 kA   | 3 kA   | 6 kA   |
|                                 | 6A                                      | 1,2 kA | 2 kA   | 2,5 kA | 3 kA   | 5 kA   |
|                                 | 10A                                     | 1,2 kA | 1,5 kA | 2 kA   | 2 kA   | 4 kA   |
|                                 | 16A                                     | 1 kA   | 1,2 kA | 1,5 kA | 2 kA   | 3 kA   |
|                                 | 20A                                     | 0,8 kA | 1,2 kA | 1,5 kA | 1,5 kA | 3 kA   |
|                                 | 25A                                     | 0,7 kA | 1,2 kA | 1,5 kA | 1,5 kA | 3 kA   |
|                                 | 32A                                     | -      | 1,2 kA | 1 kA   | 1,5 kA | 2 kA   |
|                                 | 40A                                     | -      | -      | 1 kA   | 1,5 kA | 2 kA   |
|                                 | 50A                                     | -      | -      | -      | 1,2 kA | 1,5 kA |
|                                 | 63A                                     | -      | -      | -      | -      | 1,5 kA |

## Gegevens tabel: Amparo Beveiligingsautomaat 6kA karakteristiek B 50A 3P

## Gegevens tabel: Amparo Beveiligingsautomaat 6kA karakteristiek B 50A 3P

| LS, Serie AMPARO<br>Kennlinie C | Versorgung: Leistungsschalter Serie MC 2 |        |        |        |        |       |
|---------------------------------|------------------------------------------|--------|--------|--------|--------|-------|
|                                 | I <sub>N</sub>                           | 40 A   | 50 A   | 63 A   | 80 A   | 100 A |
|                                 | 2A                                       | 3 kA   | 6 kA   | 6 kA   | 6 kA   | 6 kA  |
|                                 | 4A                                       | 1,2 kA | 1,5 kA | 3 kA   | 4 kA   | 6 kA  |
|                                 | 6A                                       | 1,2 kA | 1,5 kA | 2,5 kA | 3 kA   | 6 kA  |
|                                 | 10A                                      | 1 kA   | 1,5 kA | 2,5 kA | 3 kA   | 6 kA  |
|                                 | 13A                                      | 1 kA   | 1,2 kA | 2 kA   | 3 kA   | 6 kA  |
|                                 | 16A                                      | 1 kA   | 1,2 kA | 1,5 kA | 2,5 kA | 6 kA  |
|                                 | 20A                                      | 1 kA   | 1,2 kA | 1,5 kA | 2 kA   | 6 kA  |
|                                 | 25A                                      | 0,8 kA | 1 kA   | 1,5 kA | 2 kA   | 6 kA  |
|                                 | 32A                                      |        | 1 kA   | 1,5 kA | 2 kA   | 6 kA  |
|                                 | 40A                                      |        |        | 1,2 kA | 1,5 kA | 6 kA  |
|                                 | 50A                                      |        |        |        | 1,5 kA | 6 kA  |
|                                 | 63A                                      |        |        |        |        | 6 kA  |

## Numbers of possible wires

| Querschnitt<br>[mm <sup>2</sup> ] | Anzahl der starren Einzelleiter eindräftig |   |   |   |   |   |
|-----------------------------------|--------------------------------------------|---|---|---|---|---|
|                                   | 1                                          | 2 | 3 | 4 | 5 | 6 |
| 1                                 | +                                          | + | + | + | + | + |
| 1.5                               | +                                          | + | + | + | + | + |
| 2.5                               | +                                          | + | + | - | - | - |
| 4                                 | +                                          | + | + | - | - | - |
| 6                                 | +                                          | + | + | - | - | - |

| Querschnitt<br>[mm <sup>2</sup> ] | Anzahl der starren Einzelleiter mehrdräftig |   |   |   |   |   |
|-----------------------------------|---------------------------------------------|---|---|---|---|---|
|                                   | 1                                           | 2 | 3 | 4 | 5 | 6 |
| 10                                | +                                           | + | - | - | - | - |
| 16                                | +                                           | - | - | - | - | - |
| 25                                | +                                           | - | - | - | - | - |

| Querschnitt<br>[mm <sup>2</sup> ] | Anzahl der Einzelleiter feindräftig |   |   |   |   |   |
|-----------------------------------|-------------------------------------|---|---|---|---|---|
|                                   | 1                                   | 2 | 3 | 4 | 5 | 6 |
| 1                                 | +                                   | + | + | + | + | + |
| 1.5                               | +                                   | + | + | + | + | + |
| 2.5                               | +                                   | + | + | + | - | - |
| 4                                 | +                                   | + | + | - | - | - |
| 6                                 | +                                   | + | - | - | - | - |
| 10                                | +                                   | + | - | - | - | - |
| 16                                | +                                   | - | - | - | - | - |
| 25                                | +                                   | - | - | - | - | - |

## Artikelen

| Omschrijving                                                                                                               | Kopergewicht (kg/km) | Referentie |
|----------------------------------------------------------------------------------------------------------------------------|----------------------|------------|
| Amparo Beveiligingsautomaat 6kA karakteristiek B 50A 3P<br>Product AM6, Productnormen EN 60898-1:2019, IEC 60898-1         |                      | AM618350   |
| <b>Optionele toebehoren</b>                                                                                                |                      |            |
| Amparo Hulpcontact 1CO klikmontage<br>Product AM6, Productnormen EN 60947-5-1:2017                                         |                      | AM900099   |
| BSB Verdeelrail 3P vorken 10mm <sup>2</sup> L1,L2,L3 1m<br>Not possible to break off, shortenable on both sides, TE=17.8mm | 480                  | BSB90113-A |
| BSB Verdeelrail 3P vorken 16mm <sup>2</sup> L1,L2,L3 1m<br>Not possible to break off, shortenable on both sides, TE=17.8mm | 670                  | BSB90114-A |
| BSB Verdeelrail 3P vorken 10mm <sup>2</sup> 4x 3P 12MOD<br>Eindkappen inbegrepen                                           | 81                   | BSB90155-A |
| Amparo Minimumspanningspoel 230VAC klikmontage<br>Voor AM en AK                                                            |                      | AM900008   |
| Amparo Stroomuitschakelspoel 230/400VAC klikmontage<br>Voor AM en AK                                                       |                      | AM900006   |
| Amparo Stroomuitschakelspoel 24VAC/DC klikmontage<br>Voor AM en AK                                                         |                      | AM900005   |