

Toote infoleht

Tehnilised andmed



Mootori kaitselüliti, TeSys Deca raam 2,3P, 0,4-0,63A, termomagnetiline, nupp, vedruklemmid

GV2ME043

⚠ Tootmine lõpetatakse: 30. sept 2026

⚠ Võetakse tootmisest maha

Peamine

| | |
|---------------------------|----------------------|
| Tootesari | TeSys Deca |
| Toote nimi | TeSys GV2 |
| Toote või komponendi tüüp | Mootori kaitselüliti |
| Seadme lühinimi | GV2ME |
| Seadme kasutusala | Mootori kaitses |
| Reisiblokkide tehnoloogia | Termomagnetiline |

Täiendav

| | |
|--|--|
| Jõukontaktide arv | 3P |
| Võrgutüüp | AC |
| Kasutuskategooria | kategooria A vastavad IEC 60947-2 AC-3 vastavad IEC 60947-4-1 AC-3e vastavad IEC 60947-4-1 |
| Võrgu sagedus | 50/60 Hz vastavad IEC 60947-2 |
| Mootori võimsus kW | 0,12 kW at 400/415 V AC 50/60 Hz 0,18 kW at 400/415 V AC 50/60 Hz |
| Katkestusvõime | 100 kA Icu juures 230/240 V AC 50/60 Hz vastavad IEC 60947-2 100 kA Icu juures 400/415 V AC 50/60 Hz vastavad IEC 60947-2 100 kA Icu juures 440 V AC 50/60 Hz vastavad IEC 60947-2 100 kA Icu juures 500 V AC 50/60 Hz vastavad IEC 60947-2 100 kA Icu juures 690 V AC 50/60 Hz vastavad IEC 60947-2 |
| [Ics] hinnanguline lühise katkestusvõime | 100 % juures 230/240 V AC 50/60 Hz vastavad IEC 60947-2 100 % juures 400/415 V AC 50/60 Hz vastavad IEC 60947-2 100 % juures 440 V AC 50/60 Hz vastavad IEC 60947-2 100 % juures 500 V AC 50/60 Hz vastavad IEC 60947-2 100 % juures 690 V AC 50/60 Hz vastavad IEC 60947-2 |
| juhtimistüüp | Surunupp |
| [In] nimivool | 0,63 A |
| Termokaitse reguleerimisvahemik | 0,4...63 A IEC 60947-2 |
| Magnetiline väljalülitusvool | 9,3 A |
| [Ith] konventsionaalne vaba õhu soojusvool | 0,63 A vastavad IEC 60947-2 |
| [Ue] nimitööpinge | 690 V AC 50/60 Hz vastavad IEC 60947-2 |
| [Ui] nimiisolatsioonipinge | 690 V AC 50/60 Hz vastavad IEC 60947-2 |
| [Uimp] nimiimpulssitaluvuspinge | 6 kV vastavad IEC 60947-2 |
| Faasirikke tundlikkus | Jah IEC 60947-4-1 |

| | |
|--|--|
| Sobivus isoleerimiseks | jah vastavad IEC 60947-1 |
| Võimsuse hajumine pooluse kohta | 2,5 W |
| Mehaaniline vastupidavus | 100000 tsüklid |
| Elektriline vastupidavus | 100000 tsüklid AC-3 415 V sisse 100000 tsüklid AC-3e 415 V sisse |
| Nimetatud tollimaks | Katkeamatult IEC 60947-4-1 |
| Liitmikud - klemmid | toiteahel : vedruklemmid 2 kaabel(d) 1...6 mm ² lahe toiteahel : vedruklemmid 2 kaabel(d) 1,5...4 mm ² paindub ilma kaabli otsata toiteahel : vedruklemmid 2 kaabel(d) 1...4 mm ² paindub kaabli otsaga |
| Fikseerimisrežiim | 35 mm sümmeetriline DIN-liist : kärbitud paneel : kruvitud (koos adapterplaadiga) |
| Paigaldusasend | Horisontaalne Vertikaalne |
| Laius | 45 mm |
| Kõrgus | 101 mm |
| Sügavus | 78,5 mm |
| Netokaal | 0,28 kg |
| Värv | tumehall |

Keskkond

| | |
|--|--|
| Standardid | EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 nr 60947-4-1 IEC/EN 60335-2-40 : Lisa JJ IEC/EN 60335-1 : Punkt 30.2 |
| Tootesertifikaadid | CCC UL CSA EAC ATEX LROS (Lloydsi laevaregister) BV RINA DNV-GL UKCA |
| IK kaitseaste | IK04 |
| IP-kaitseaste | IP20 vastavad IEC 60529 |
| Kliimakindlus | vastavad IACS E10 |
| Ladustamiseks lubatud ümbriseva õhu temperatuur | -40...80 °C |
| Tulepüsivus | 960 °C vastavad IEC 60695-2-11 |
| Tööks lubatud ümbritseva õhu temperatuur | -20...60 °C |
| Mehaaniline vastupidavus | Pöörutused: 30 Gn 11 ms Vibratsioonid: 5 Gn, 5...150 Hz |
| Töökõrgus | <= 2000 m |

Pakendiüksused

| | |
|-------------------------------|-----------|
| Pakendi tüüp 1 | PCE |
| Ühikute arv pakendis 1 | 1 |
| Pakendi kõrgus 1 | 5,600 cm |
| Pakendi laius 1 | 11,100 cm |

| | |
|------------------------|-----------|
| Pakendi pikkus 1 | 8,500 cm |
| Pakendi kaal 1 | 261,000 g |
| Pakendi tüüp 2 | S02 |
| Ühikute arv pakendis 2 | 20 |
| Pakendi kõrgus 2 | 15,000 cm |
| Pakendi laius 2 | 30,000 cm |
| Pakendi pikkus 2 | 40,000 cm |
| Pakendi kaal 2 | 5,600 kg |

Lepinguline garantii

| | |
|-------------------|----|
| Garantii (kuudes) | 18 |
|-------------------|----|

Schneider Electric soovib saavutada nullilähedase võrgu aastaks 2050 tänu tarneahela partnerlusele, madalamatele loõgimaterjalidele ja ringlusele meie käimasoleva kampaania „Kasuta paremini, kasuta kauem, kasuta uuesti” kaudu, et pikendada toote tööiga ja ringlussevõetavust.

[Environmental Data selgitus >](#)

[Kuidas hindame toote jätkusuutlikkust >](#)

Ökoloogiline jalajälg

Kogu elutsükli süsiniku jalajälg 43

Keskonnaalane avaldus [Toote keskkonnaprofiil](#)

Use Better

Materjalid ja pakendid

Ringlussevõetud kartongist valmistatud pakend Jah

Pakend ilma plastita Jah

[ELi RoHS direktiiv](#) Vastab eranditele

SCIP number 04104e70-ba29-493c-b2cc-b5837d1f879b

REACH-määrus [REACH-deklaratsioon](#)

Use Longer

Kasutusaja pikendamine


Remont Ei

Use Again

Pakkige uuesti ja valmistage uuesti

Ringlusprofiil [Kasutuselt kõrvaldamise teave](#)

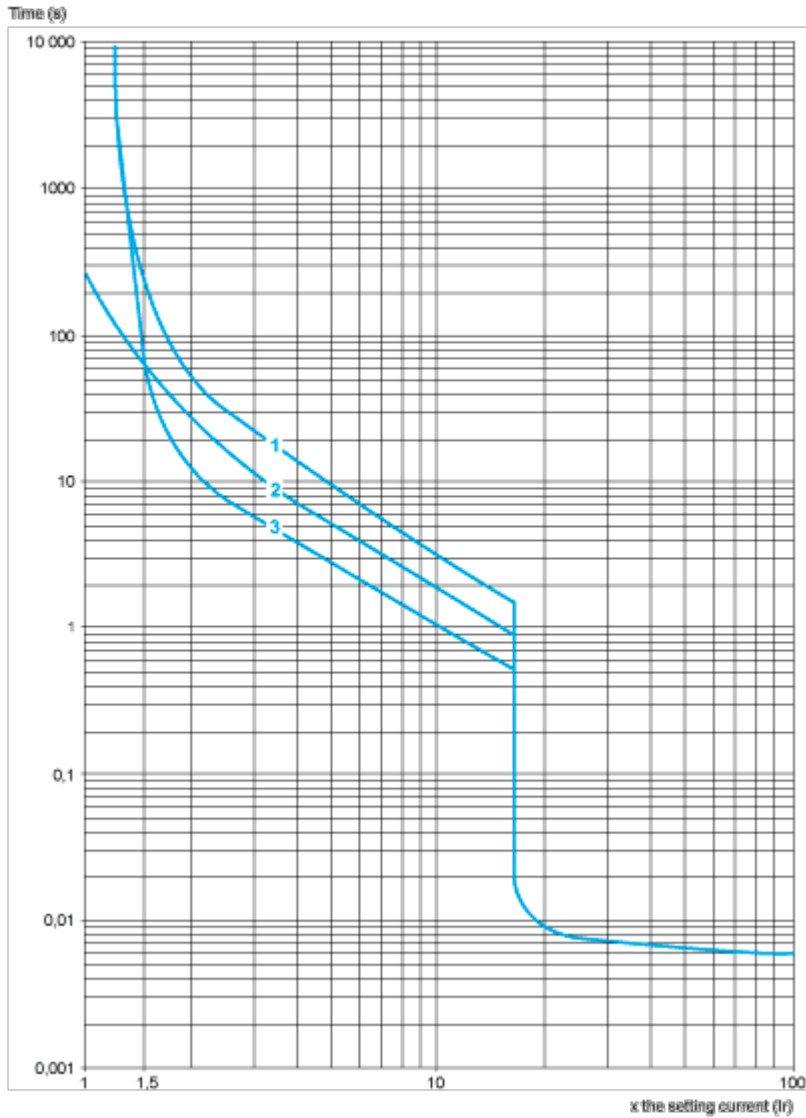
Tagasivõtmine No

WEEE märgistus (elektroonikajäätmete direktiivi märgistus)  Tootest tuleb Euroopa Liidu turgudel vabaneda vastavuses erijäätmeseadustele ning see ei tohi sattuda olmeprügi sekka.

Performance Curves

Thermal-Magnetic Tripping Curves for GV2ME and GV2P

Average Operating Times at 20 °C Related to Multiples of the Setting Current

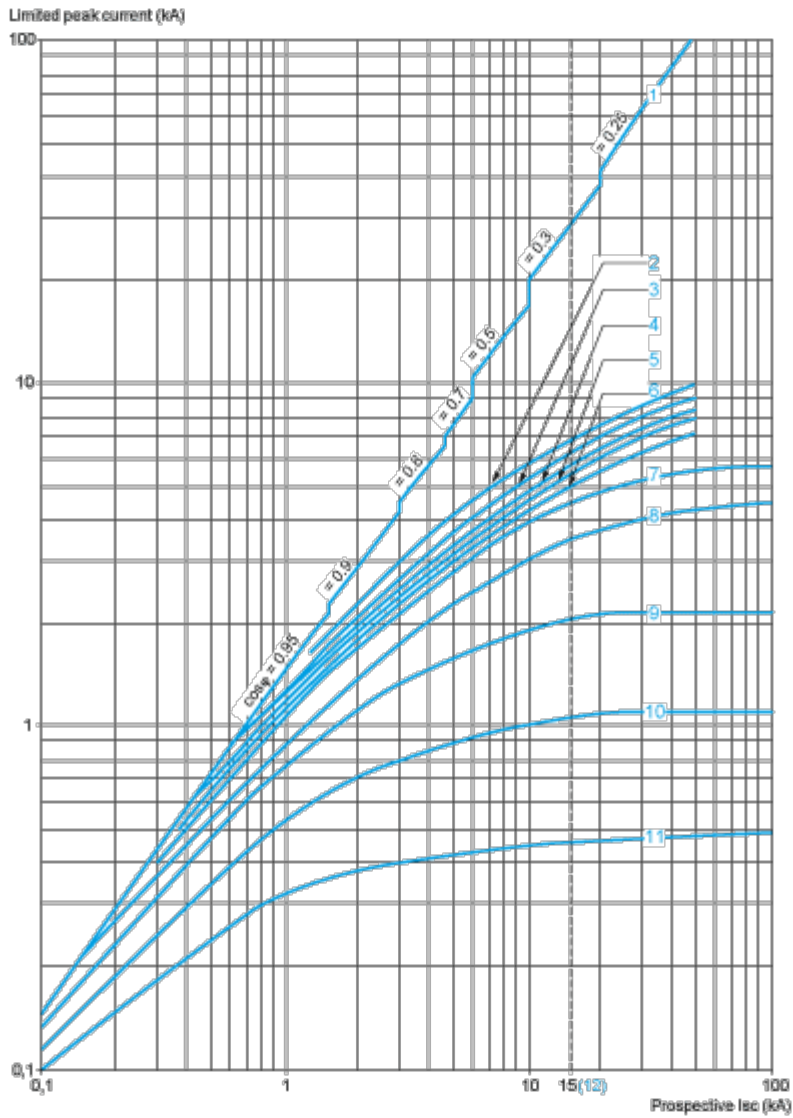


- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state

Current Limitation on Short-Circuit for GV2ME and GV2P (3-Phase 400/415 V)

Dynamic Stress

$I_{peak} = f(\text{prospective } I_{sc})$ at $1.05 U_e = 435 V$

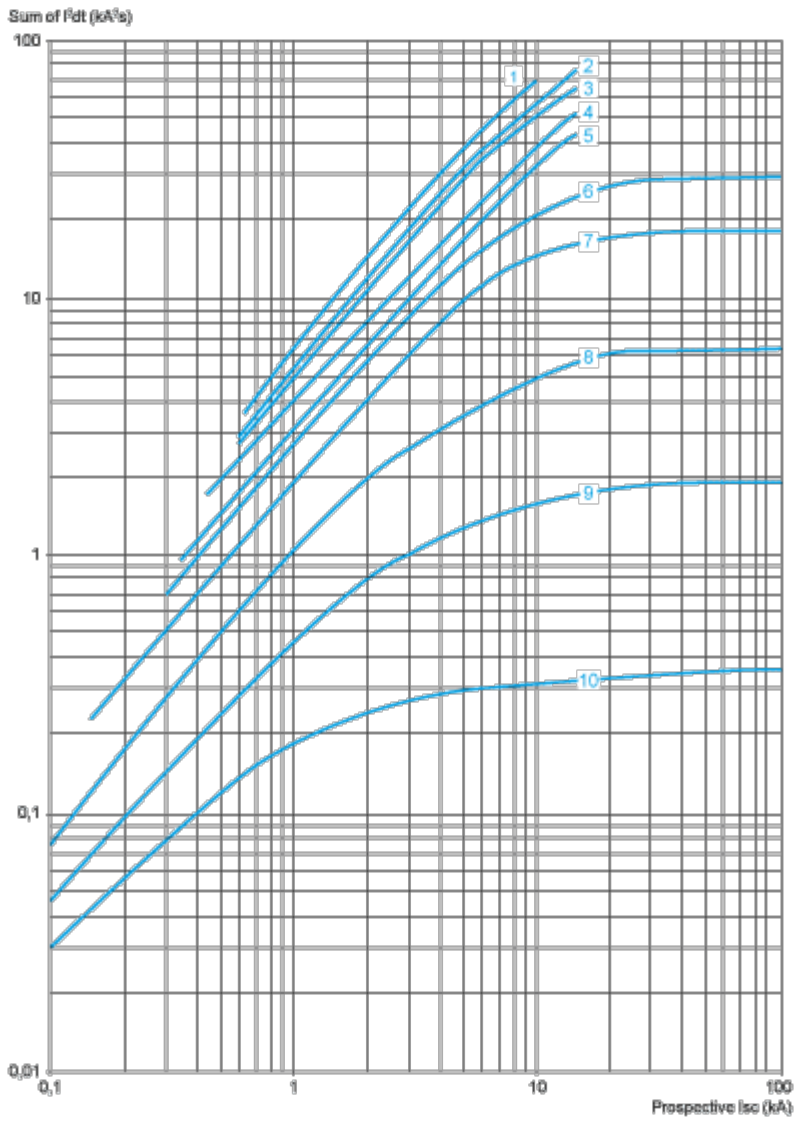


- 1 Maximum peak current
- 2 24-32 A
- 3 20-25 A
- 4 17-23 A
- 5 13-18 A
- 6 9-14 A
- 7 6-10 A
- 8 4-6.3 A
- 9 2.5-4 A
- 10 1.6-2.5 A
- 11 1-1.6 A
- 12 Limit of rated ultimate breaking capacity on short-circuit of GV2ME (14, 18, 23, and 25 A ratings).

Thermal Limit on Short-Circuit for GV2ME

Thermal Limit in kA^2s in the Magnetic Operating Zone

Sum of $I^2dt = f$ (prospective Isc) at 1.05 Ue = 435 V

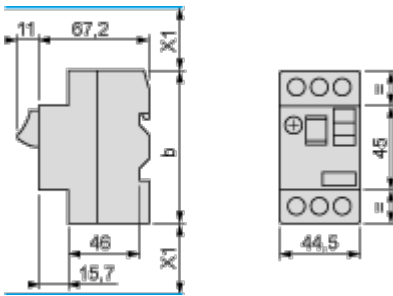


- 1 24-32 A
- 2 20-25 A
- 3 17-23 A
- 4 13-18 A
- 5 9-14 A
- 6 6-10 A
- 7 4-6.3 A
- 8 2.5-4 A
- 9 1.6-2.5 A
- 10 1-1.6 A

Dimensions Drawings

Dimension

GV2ME



(1) Maximum

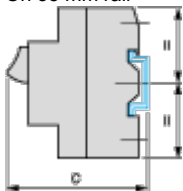
X1 Electrical clearance = 40 mm for $U_e \leq 690$ V

| | b |
|--------------------------|-----|
| GV2ME $\bullet\bullet$ | 89 |
| GV2ME $\bullet\bullet$ 3 | 101 |

Mounting

GV2ME

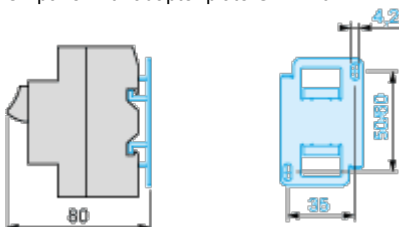
On 35 mm rail



$c = 78.5$ on AM1 DP200 (35 x 7.5)

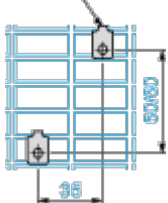
$c = 86$ on AM1 DE200, ED200 (35 x 15)

On panel with adapter plate GV2AF02

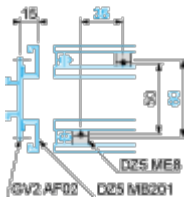


On pre-slotted plate AM1 PA

AF1 EA4

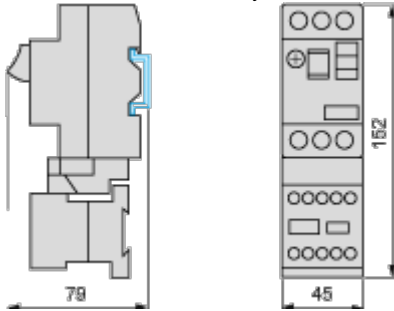


On rails DZ5 MB201



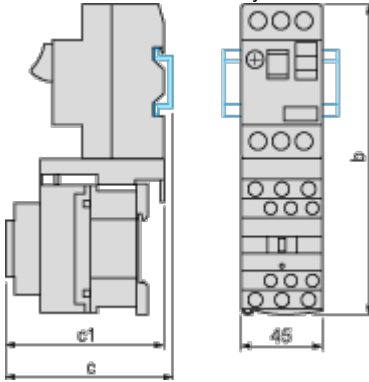
GV2AF01

Combination GV2ME + TeSys k contactor



GV2AF3

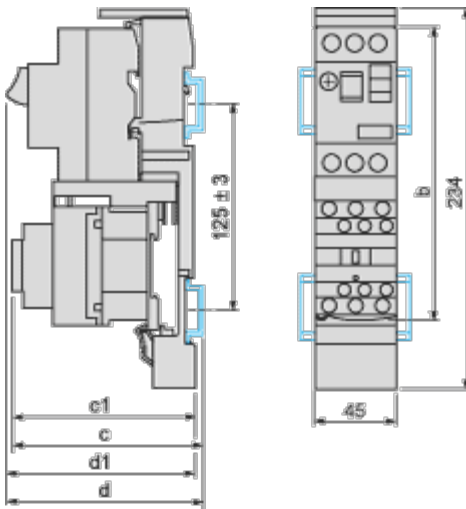
Combination GV2ME + TeSys d contactor



| GV2ME + | LC1D09...D18 | LC1D25 and D32 |
|---------|--------------|----------------|
| b | 176.4 | 186.8 |
| c1 | 94.1 | 100.4 |
| c | 99.6 | 105.9 |

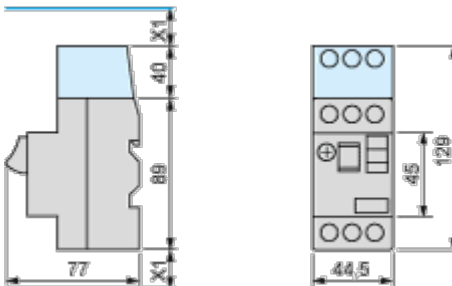
GV2AF4 + LAD311

Combination GV2ME + TeSys d contactor



| GV2ME + | LC1D09...D18 | LC1D25 and D32 |
|---------|--------------|----------------|
| b | 176.4 | 186.8 |
| c1 | 103.1 | 136.4 |
| c | 135.6 | 141.9 |
| d1 | 107 | 107 |
| d | 112.5 | 112.5 |

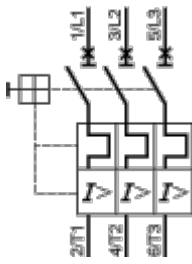
GV2ME + GV1L3 (Current Limiter)



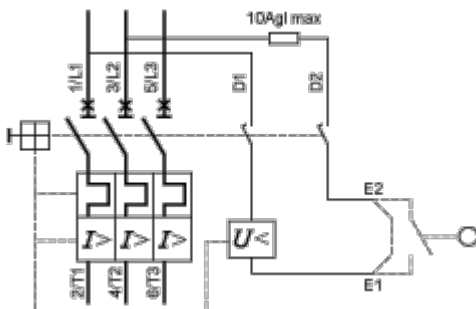
X1 = 10 mm for Ue = 230 V or 30 mm for 230 V < Ue ≤ 690 V

Connections and Schema

GV2ME•• and GV2RT



Connection of Undervoltage Trip for Dangerous Machines (Conforming to INRS) on GV2ME Only



Offer Marketing Illustration

Product benefits / Features

TeSys Deca Motor Circuit Breakers

Technical Benefits



- High breaking capacity up to 100 kA.
- Screw clamp for the connection, with lug and spring terminals.
- Easily identify the tripped breaker.
- Padlockable in all versions.
- Sealable thermal overload settings without additional accessories.
- Short circuit indication for better diagnostics when a trip occurs.
- Maximum 15 current ratings to cover from 0.1 A to 32 A motor current with a IP20 level for finger safety.

Offer Marketing Illustration

Product benefits / Features

TeSys Deca Motor Circuit Breakers



Universal Integration

Can be used for all type of applications across industry, infrastructure and buildings.



Complete protection

Provide short circuit protection, overload protection, motor (ON/OFF) control, all in a single product.



Standard Sync

Compliant to motor control and protection, in accordance with standards.



Offer Marketing Illustration

Product benefits / Features



TeSys Deca Motor Circuit Breakers
Range Accessories

Energy Sensor

Mounting and adapters

Terminal block

Combination block

Motor starter adapter plate

Current limiter

Comb busbar

Auxiliary contact blocks

The image displays a collection of accessories for TeSys Deca Motor Circuit Breakers. At the top left, a large black motor circuit breaker is shown against a green circular background. Below it, the title 'TeSys Deca Motor Circuit Breakers' is written in a bold, dark grey font, with 'Range Accessories' in a smaller green font underneath. The accessories are arranged in two rows of four. Each accessory is accompanied by a small image and a text label below it. The first row includes an Energy Sensor (a white rectangular device with a cable), Mounting and adapters (two grey metal brackets), a Terminal block (a black plastic block with three terminals), and a Combination block (a black plastic block with four terminals). The second row includes a Motor starter adapter plate (a black metal plate with four terminals), a Current limiter (a black metal block with two terminals), a Comb busbar (a long black metal bar with multiple terminals), and Auxiliary contact blocks (two black plastic blocks with multiple terminals).

Offer Marketing Illustration

Product benefits / Features



The image shows a TeSys Deca Motor Circuit Breaker, a black rectangular device with a red handle. It has three screw terminals at the top labeled 1, 2, and 3, and three at the bottom labeled 2, 4, and 6. The front panel features a red handle with 'ON' and 'OFF' markings, a green indicator window, and a QR code. The Schneider logo is visible at the bottom of the device.

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Offer Marketing Illustration

Product benefits / Features



TeSys Deca Motor Circuit Breakers

Range Accessories



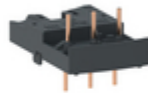
Energy Sensor



Mounting and adapters



Terminal block



Combination block



Motor starter
adapter plate



Current limiter



Comb busbar



Auxiliary
contact blocks

Image of product / Alternate images

Alternative

