

# Toote infoleht

Tehnilised andmed



## Mootori kaitselüliti, TeSys Deca, 3P, 1 kuni 1,6 A, termomagnetiline, vedruklemmid

GV2ME063

! 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 kaits
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	0,37 kW at 400/415 V AC 50/60 Hz 0,55 kW at 400/415 V AC 50/60 Hz 0,37 kW at 500 V AC 50/60 Hz 0,55 kW at 500 V AC 50/60 Hz 0,75 kW at 500 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	1,6 A
Termokaitse reguleerimisvahemik	1...1,6 A IEC 60947-2
Magnetiline väljalülitusvool	26,2 A
[Ith] konventsionaalne vaba õhu soojusvool	1,6 A vastavad IEC 60947-2
[Ue] nimitõõpinge	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

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

## Keskkond

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

## Pakendiüksused

<b>Pakendi tüüp 1</b>	PCE
<b>Ühikute arv pakendis 1</b>	1
<b>Pakendi kõrgus 1</b>	5,500 cm

Pakendi laius 1	11,000 cm
Pakendi pikkus 1	8,500 cm
Pakendi kaal 1	284,900 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	6,014 kg

## Lepinguline garantii

Garantii (kuudes)	18
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Schneider Electric soovib saavutada nullilähedase võrgu aastaks 2050 tänu tarneahela partnerlusele, madalamatele loogimaterjalidele 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](#)

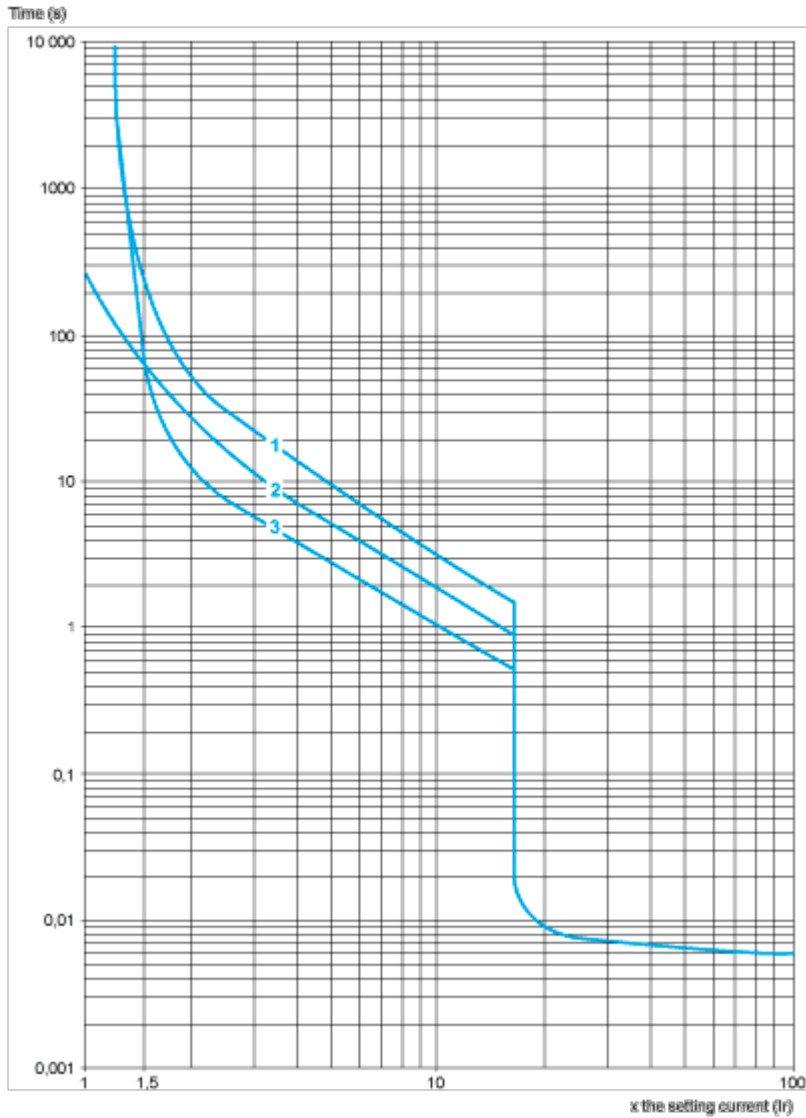
Tagasivõtmine **No**

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

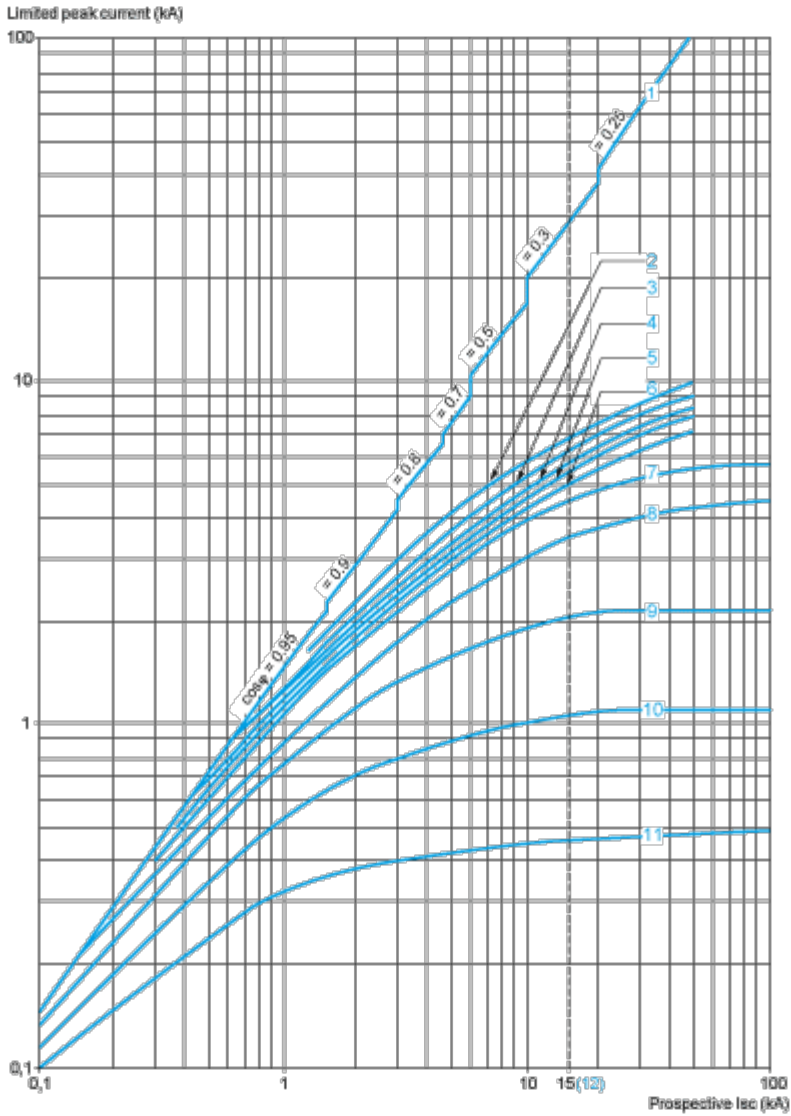


- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state

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

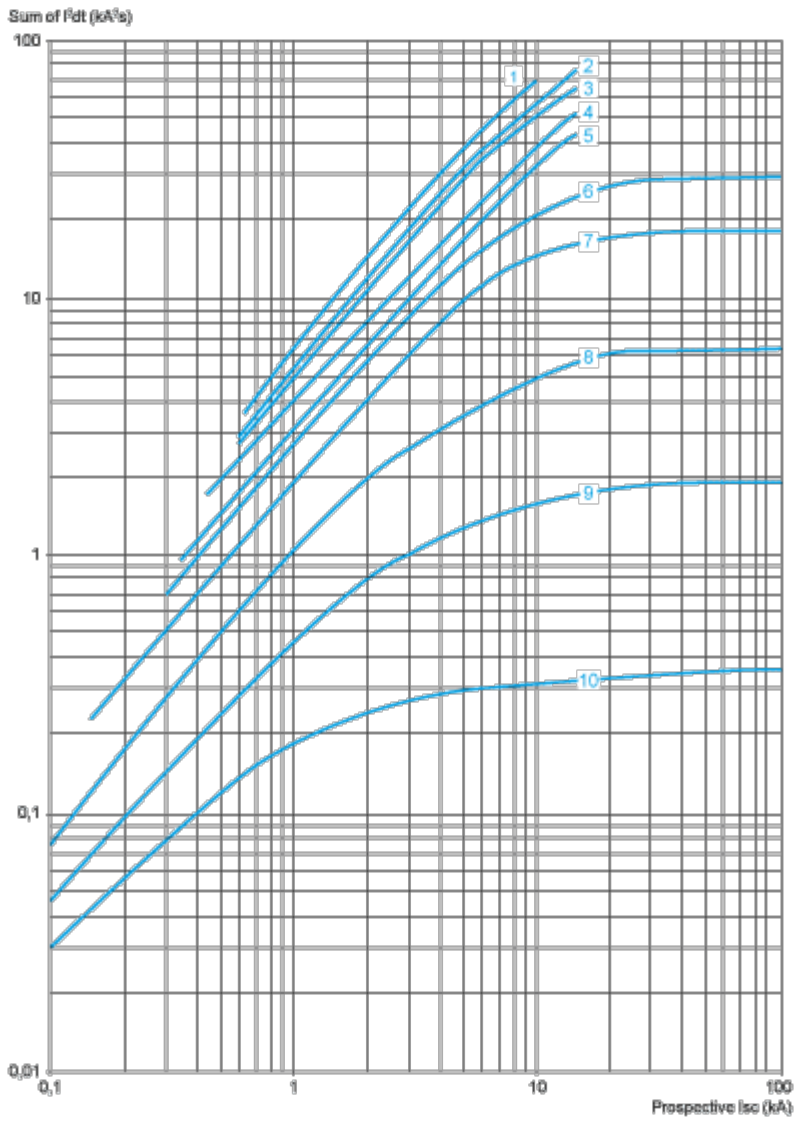
**Dynamic Stress**

$I_{peak} = f(\text{prospective } I_{sc})$  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

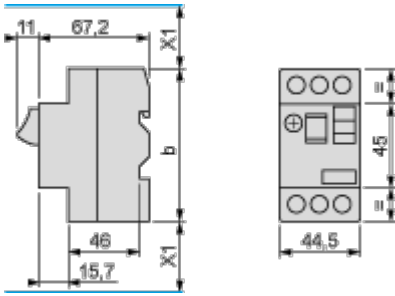


- 1 24-32 A
- 2 20-25 A
- 3 17-23 A
- 4 13-18 A
- 5 9-14 A
- 6 6-10 A
- 7 4-6.3 A
- 8 2.5-4 A
- 9 1.6-2.5 A
- 10 1-1.6 A

Dimensions Drawings

Dimension

GV2ME



(1) Maximum

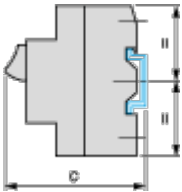
X1 Electrical clearance = 40 mm for  $U_e \leq 690$  V

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

Mounting

GV2ME

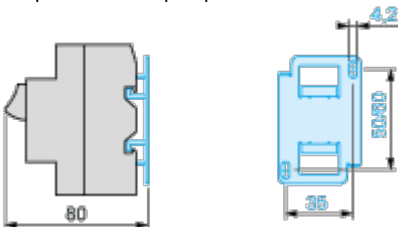
On 35 mm rail



c = 78.5 on AM1 DP200 (35 x 7.5)

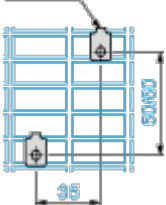
c = 86 on AM1 DE200, ED200 (35 x 15)

On panel with adapter plate GV2AF02



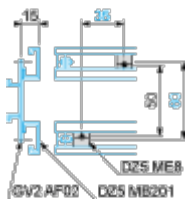
On pre-slotted plate AM1 PA

AF1 EA4



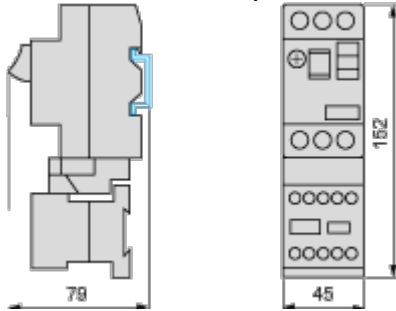
On rails DZ5 MB201





### 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

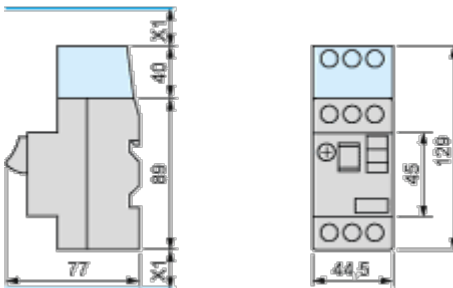
### GV2AF4 + LAD311

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)

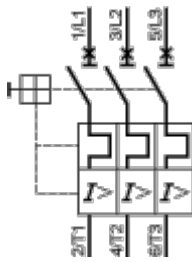


X1 = 10 mm for Ue = 230 V or 30 mm for 230 V < Ue ≤ 690 V

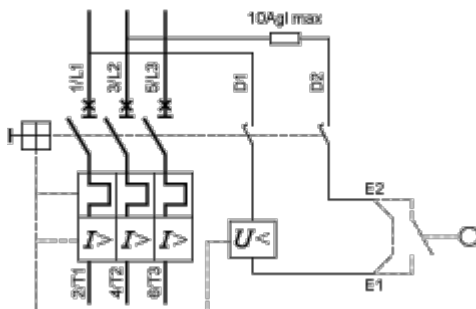
## Connections and Schema

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### GV2ME•• and GV2RT



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



Offer Marketing Illustration

Product benefits / Features

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**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 green font underneath. The accessories are arranged in two rows of four. Each accessory is accompanied by a small image and a label below it. The first row includes an Energy Sensor (a white rectangular device with wires), Mounting and adapters (two grey metal plates), Terminal block (a black plastic block with three terminals), and Combination block (a black plastic block with four terminals). The second row includes Motor starter adapter plate (a black metal plate with four terminals), Current limiter (a black metal block with two terminals), 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

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## 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

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## TeSys Deca Motor Circuit Breakers

Range Accessories



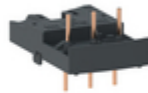
Energy Sensor



Mounting and adapters



Terminal block



Combination block



Motor starter  
adapter plate



Current limiter



Comb busbar



Auxiliary  
contact blocks

Offer Marketing Illustration

Product benefits / Features

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## 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

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Offer Marketing Illustration

Product benefits / Features

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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. A red handle is in the center, with 'OFF' above it and 'ON' below it. To the right of the handle is a green button labeled 'RESET'. Below the handle is a QR code and the Schneider logo. The device is set against a green circular background.

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Image of product / Alternate images

Alternative

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