

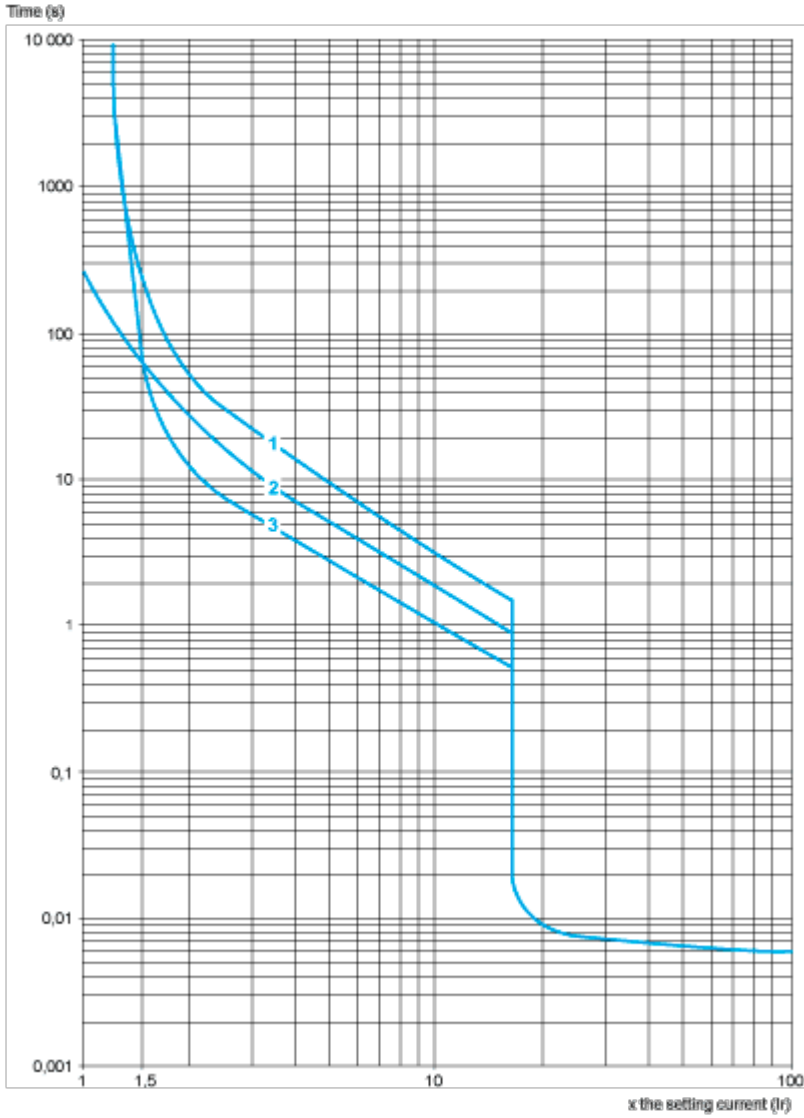
productdatasheet.title.pdf

product.specifications.label

pds_disclaimer

Performance Curves

Thermal-Magnetic Tripping Curves for GV2ME and GV2P
 Average Operating Times at 20 °C Related to Multiples of the Setting Current

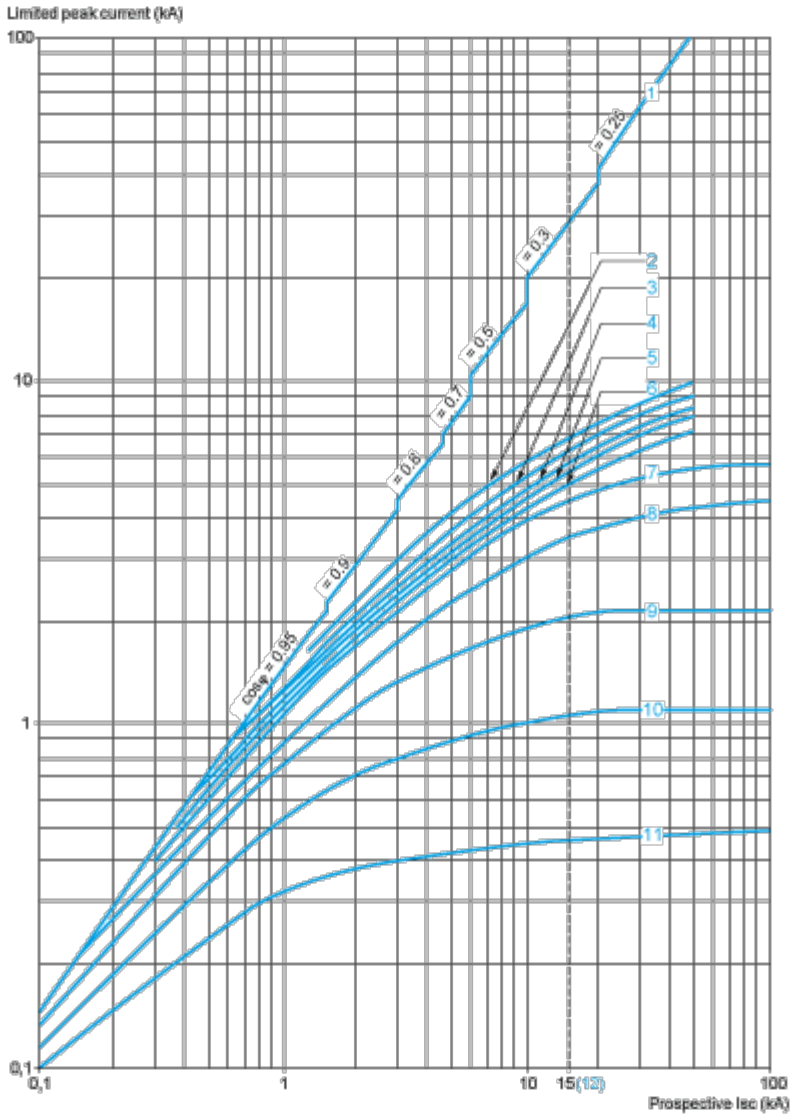


- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state

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

Dynamic Stress

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

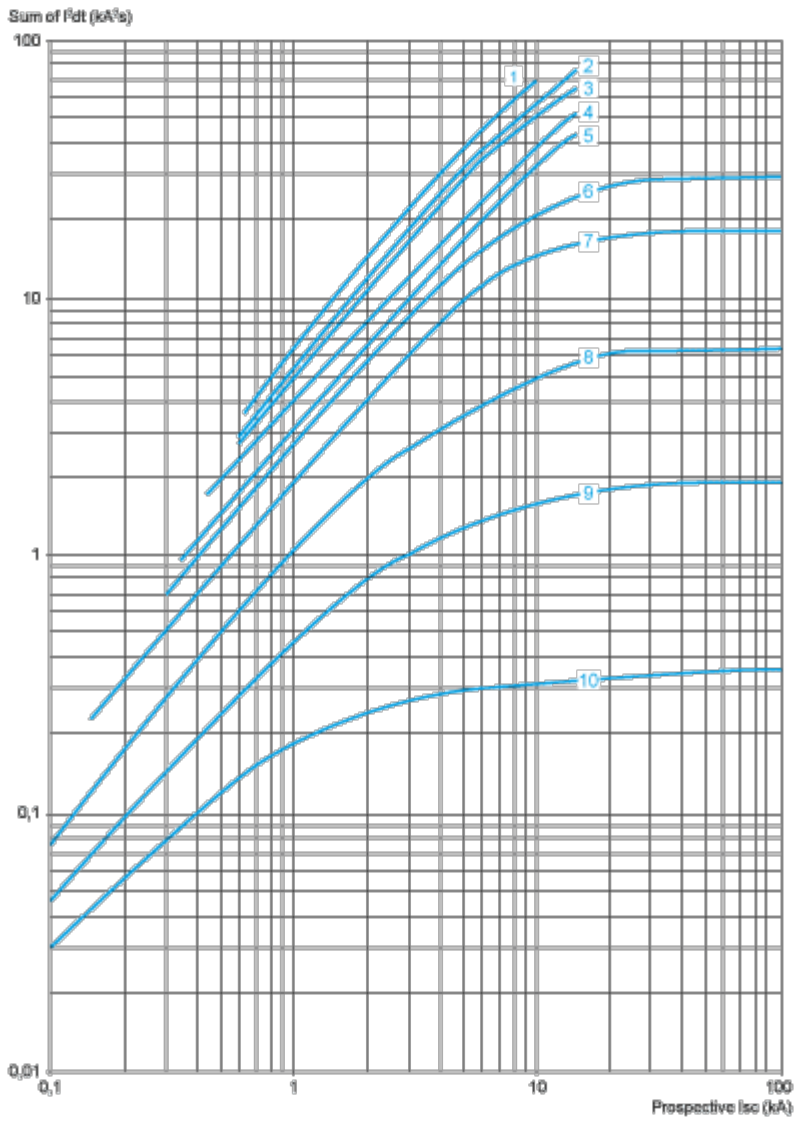


- 1 Maximum peak current
- 2 24-32 A
- 3 20-25 A
- 4 17-23 A
- 5 13-18 A
- 6 9-14 A
- 7 6-10 A
- 8 4-6.3 A
- 9 2.5-4 A
- 10 1.6-2.5 A
- 11 1-1.6 A
- 12 Limit of rated ultimate breaking capacity on short-circuit of GV2ME (14, 18, 23, and 25 A ratings).

Thermal Limit on Short-Circuit for GV2ME

Thermal Limit in kA²s in the Magnetic Operating Zone

Sum of I²dt = f (prospective Isc) at 1.05 Ue = 435 V

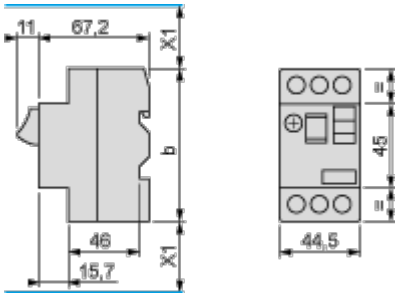


- 1 24-32 A
- 2 20-25 A
- 3 17-23 A
- 4 13-18 A
- 5 9-14 A
- 6 6-10 A
- 7 4-6.3 A
- 8 2.5-4 A
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- 10 1-1.6 A

Dimensions Drawings

Dimension

GV2ME



(1) Maximum

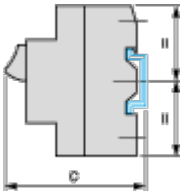
X1 Electrical clearance = 40 mm for $U_e \leq 690$ V

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

Mounting

GV2ME

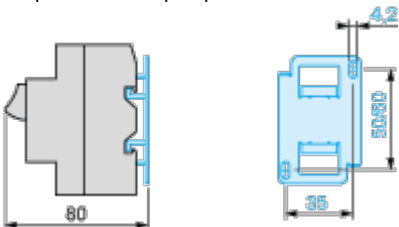
On 35 mm rail



c = 78.5 on AM1 DP200 (35 x 7.5)

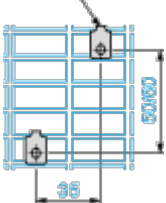
c = 86 on AM1 DE200, ED200 (35 x 15)

On panel with adapter plate GV2AF02

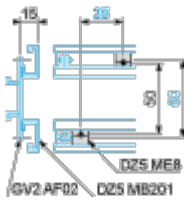


On pre-slotted plate AM1 PA

AF1 EA4

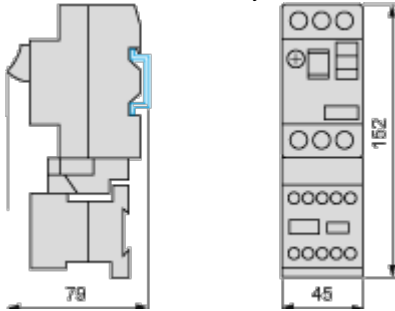


On rails DZ5 MB201



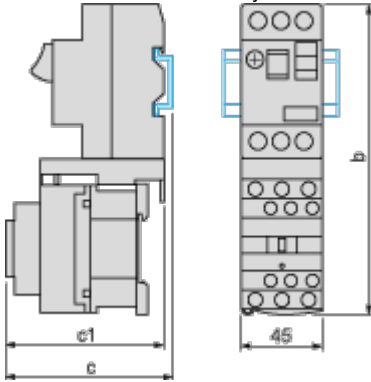
GV2AF01

Combination GV2ME + TeSys k contactor



GV2AF3

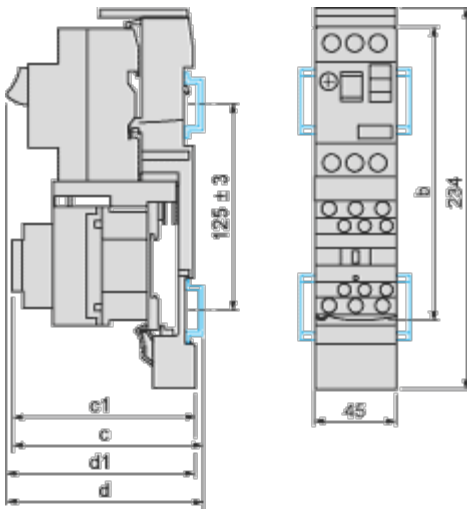
Combination GV2ME + TeSys d contactor



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

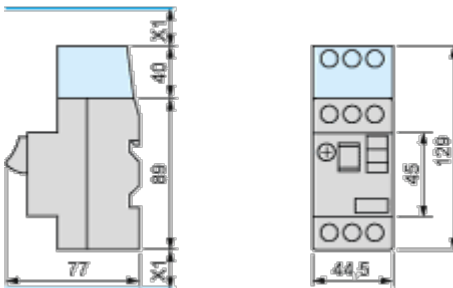
GV2AF4 + LAD311

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

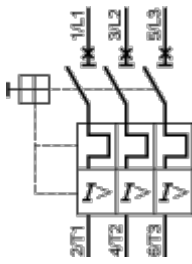
GV2ME + GV1L3 (Current Limiter)



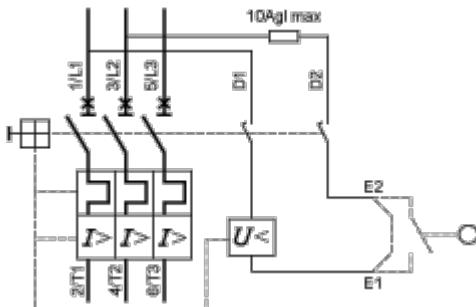
X1 = 10 mm for Ue = 230 V or 30 mm for 230 V < Ue ≤ 690 V

Connections and Schema

GV2ME•• and GV2RT

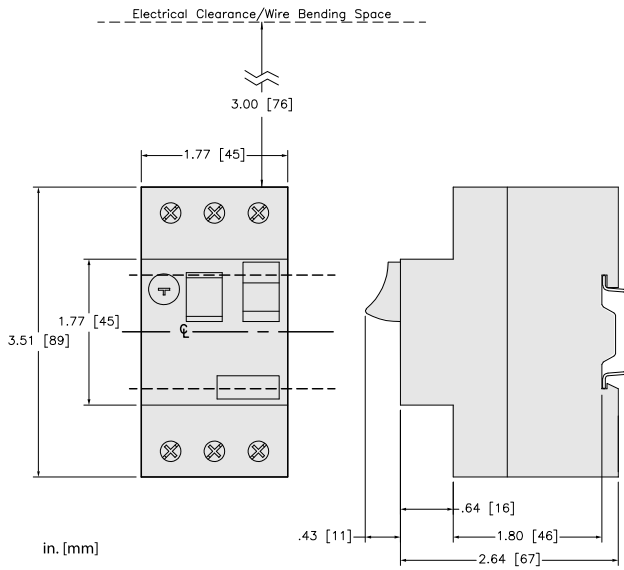


Connection of Undervoltage Trip for Dangerous Machines (Conforming to INRS) on GV2ME Only



Technical Illustration

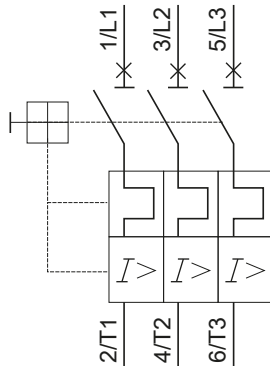
Dimensions



Technical Illustration

Wiring diagram

GV2ME \times



REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION FOR COMPLETE INFORMATION.

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

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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 main terminals at the top labeled 1L1, 3L2, and 5L3, and three at the bottom labeled 2N, 4T, and 6U. A red handle is in the center, with 'OFF' above it and 'ON' below it. To the right of the handle is a green indicator light. Below the handle is a QR code and the Schneider logo. The device is set against a green circular background.

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

Range Accessories



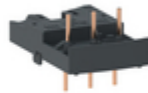
Energy Sensor



Mounting and adapters



Terminal block



Combination block



Motor starter adapter plate



Current limiter



Comb busbar



Auxiliary contact blocks

Offer Marketing Illustration

Product benefits / Features

TeSys Deca Motor Circuit Breakers

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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

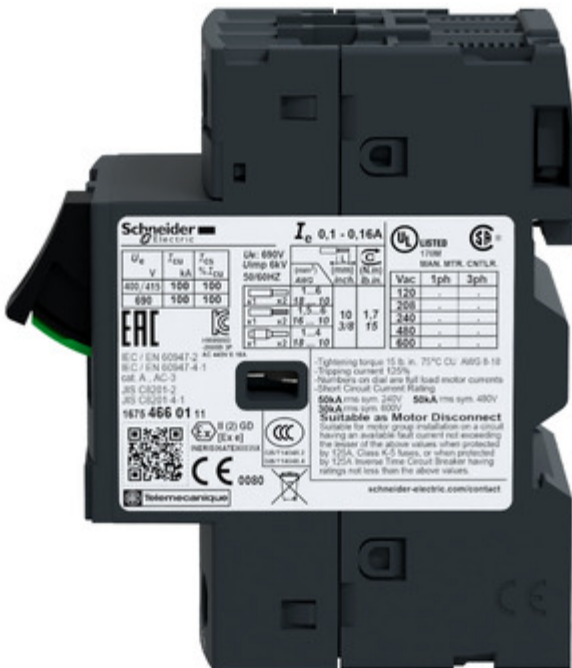
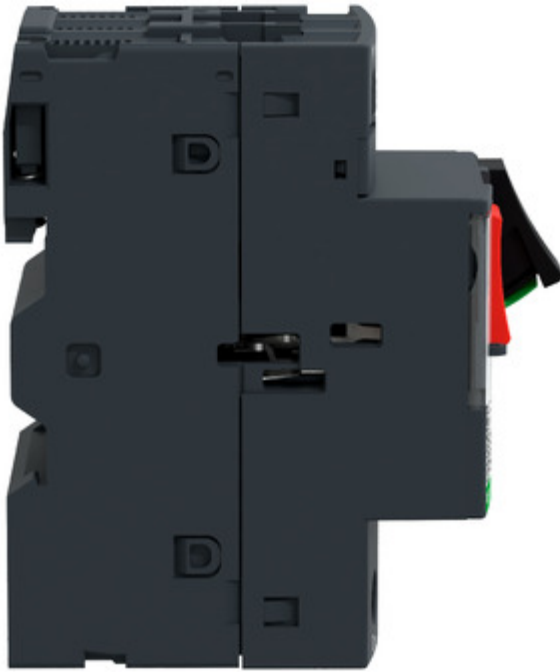
Comb busbar

Auxiliary contact blocks

The image displays a collection of accessories for TeSys Deca Motor Circuit Breakers. At the top left, a main circuit breaker is shown against a green circular background. Below it, eight different accessory components are arranged in two rows of four. Each component is accompanied by a small text label identifying it: Energy Sensor, Mounting and adapters, Terminal block, Combination block, Motor starter adapter plate, Current limiter, Comb busbar, and Auxiliary contact blocks.

Image of product / Alternate images

Alternative



Schneider Electric

I_e 0,1 - 0,16A

UL LISTED 17000
SEAN MET. CNTLR.

U _e	I _{cu}	I _{cs}	U _{imp}	U _{gk}
V	kA	%I _{cu}	6kV	
400/415	100	100		
690	100	100		

UL: 690V
U_{imp} 6kV
50/60Hz

W	mm	mm	mm	mm	mm
W	mm	mm	mm	mm	mm
1	18	10	1,7	15	
2	18	10	3/8	15	
3	18	10			

UL LISTED 17000 SEAN MET. CNTLR.

V _{ac}	1ph	3ph
120	-	-
208	-	-
240	-	-
480	-	-
600	-	-

IEC/EN 60947-2
IEC/EN 60947-4-1
SAB, A, AC-3
JIS C1224-2
JIS C1224-4-1
1675 466 01 11

Lightning torque 15 lb. in, 70°C CU; 800 9-10
Tipping current 1250A
Numbers on dial are full load motor currents
Short Circuit Current Rating:
50kA rms sym 240V 50kA rms sym 480V
30kA rms sym 600V

Suitable as Motor Disconnect
Suitable for motor group installation on a circuit having an available fault current not exceeding the lesser of the above values when protected by 125A Class K-3 fuses, or when protected by 125A Inverse Time Circuit Breaker having ratings not less than the above values.

schneider-electric.com/contact

