



Motor circuit breaker, TeSys GV3, 3P, 80 A, magnetic, rotary handle, EverLink terminals

GV3L80

EAN Code: 3606481304575

Prijs: 353,80 EUR

Hoofd

range	Tesys deca
product name	TeSys GV3
product or component type	Motor vermogensschakelaar
device short name	GV3L
device application	Motorbeveiliging
trip unit technology	Magnetisch

Complementair

poles description	3P
network type	AC
utilisation category	A conform aan IEC 60947-2 AC-3 conform aan IEC 60947-4-1
netfrequentie	50/60 Hz conform aan IEC 60947-2
motorvermogen kW	45 kW bij 400/415 V AC 50/60 Hz maximum piekstroom 750A 45 kW bij 500 V AC 50/60 Hz maximum piekstroom 750A 55 kW bij 690 V AC 50/60 Hz maximum piekstroom 750A
breaking capacity	65 kA Icu bij 230/240 V AC 50/60 Hz 50 kA Icu bij 400/415 V AC 50/60 Hz 50 kA Icu bij 440 V AC 50/60 Hz 12 kA Icu bij 500 V AC 50/60 Hz 6 kA Icu bij 690 V AC 50/60 Hz
ics dienst kortsluitonderbrekingsvermogen	100 % bij 230/240 V AC 50/60 Hz 60 % bij 400/415 V AC 50/60 Hz 60 % bij 440 V AC 50/60 Hz 50 % bij 500 V AC 50/60 Hz 50 % bij 690 V AC 50/60 Hz
control type	Rotatiehendel
In toegekende stroomsterkte	80 A
magnetische uitschakelstroom	1120 A
lth conventionele thermische stroom in vrije lucht	80 A conform aan IEC 60947-2
Ue toegekende bedrijfspanning	690 V AC 50/60 Hz conform aan IEC 60947-2
Ui toegekende isolatiespanning	690 V AC 50/60 Hz conform aan IEC 60947-2
Uimp nom. schokgolfspanning	6 kV conform aan IEC 60947-2
suitability for isolation	Ja conform aan IEC 60947-1
vermogensdissipatie per pool	8 W
mechanical durability	50000 cycles

De weergegeven prijs is de adviesprijs in euro excl. BTW. Deze kan onderhevig zijn aan korting. Neem contact op met uw lokale distributeur of detailhandel voor de daadwerkelijke prijs

Disclaimer: Deze documentatie is niet bedoeld als vervanging voor en mag niet worden gebruikt voor het bepalen van de geschiktheid of betrouwbaarheid van deze producten voor specifieke gebruikerstoepassingen

elektrische duurzaamheid	20000 cycles voor AC-3 bij 415 V In
aanspanmoment	5 N.m - op schroefklem aansluitklem
bevestigingsmethode	35 mm symmetrische DIN-rail: afgesneden Paneel: geschroefd (met 3 schroeven M4)
montagepositie	Horizontaal Verticaal
width	55 mm
height	132 mm
depth	136 mm
net weight	0,96 kg
colour	Donkergrijs

Omgeving

normen	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 Nr 60947-4-1 IEC/EN 60335-1:Clause 30.2 IEC/EN 60335-2-40:Annex JJ
product certifications	CCC CSA EAC LROS (Lloyds register of shipping) BV ABS DNV-GL UKCA
IP beschermingsgraad	IP20 conform aan IEC 60529
weerstandigheid	conform aan IACS E10
ambient air temperature for storage	-40...80 °C
vuurbestendigheid	960 °C conform aan IEC 60695-2-11
ambient air temperature for operation	-20...60 °C
mechanische stevigheid	Schokken: 5 Gn gedurende 11 ms contactor open Schokken: 30 Gn gedurende 11 ms contactor gesloten Trillingen: 4 Gn, 5...300 Hz
bedrijfshoogte	3000 m

Verpakkingseenheid

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15,800 cm
Package 1 Width	6,500 cm
Package 1 Length	14,600 cm
Package 1 Weight	1,334 kg
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30,000 cm
Package 2 Width	30,000 cm
Package 2 Length	40,000 cm

Package 2 Weight	16,008 kg
Unit Type of Package 3	P06
Number of Units in Package 3	120
Package 3 Height	73,500 cm
Package 3 Width	80,000 cm
Package 3 Length	60,000 cm
Package 3 Weight	160,080 kg

contractuele waarborg

Garantie	18 months
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Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

[Uitleg van Environmental Data](#) >

[Hoe evalueren we de duurzaamheid van producten?](#) >

Milieuvoetafdruk	
Totale levenscyclus ecologische voetafdruk	30
Milieuprofiel van product (PEP)	Milieuprofiel van het product

Use Better

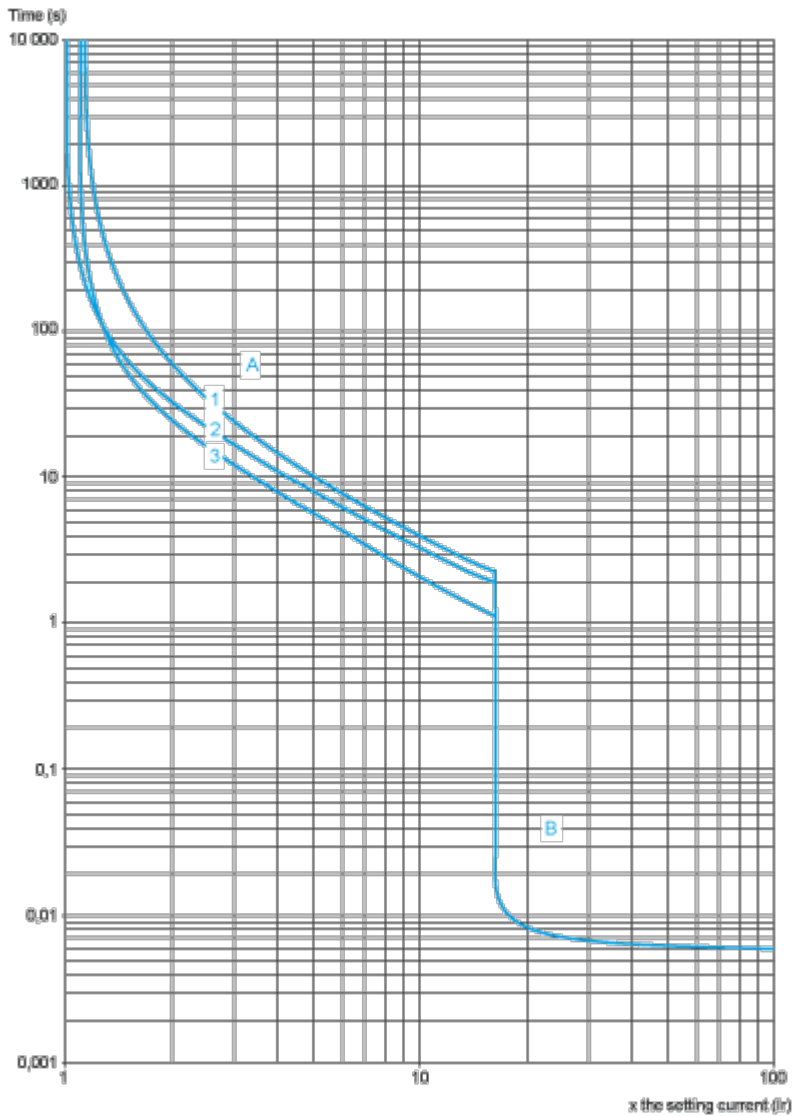
Materialen en verpakking	
Pakket met gerecycleerd karton	Ja
Verpakkingen zonder kunststof	Ja
EU-richtlijn RoHS	Voldoet aan vrijstellingen
SCIP-nummer	2057c252-f956-4ac1-a3d9-75119bc8a000
REACH-regelgeving	REACH-verklaring

Use Again

Herverpakken en herfabriceren	
Circulair Profiel	Informatie over einde levensduur
Terugname	No
WEEE Label	 Het product moet op markten van de Europese Unie worden afgevoerd volgens specifieke afvalinzamelingsregels en mag nooit in een gewone vuilnisbak terechtkomen.

Performance Curves

Tripping Curves for GV3L Combined with Thermal Overload Relay LRD33
Average Operating time at 20 °C without Prior Current Flow

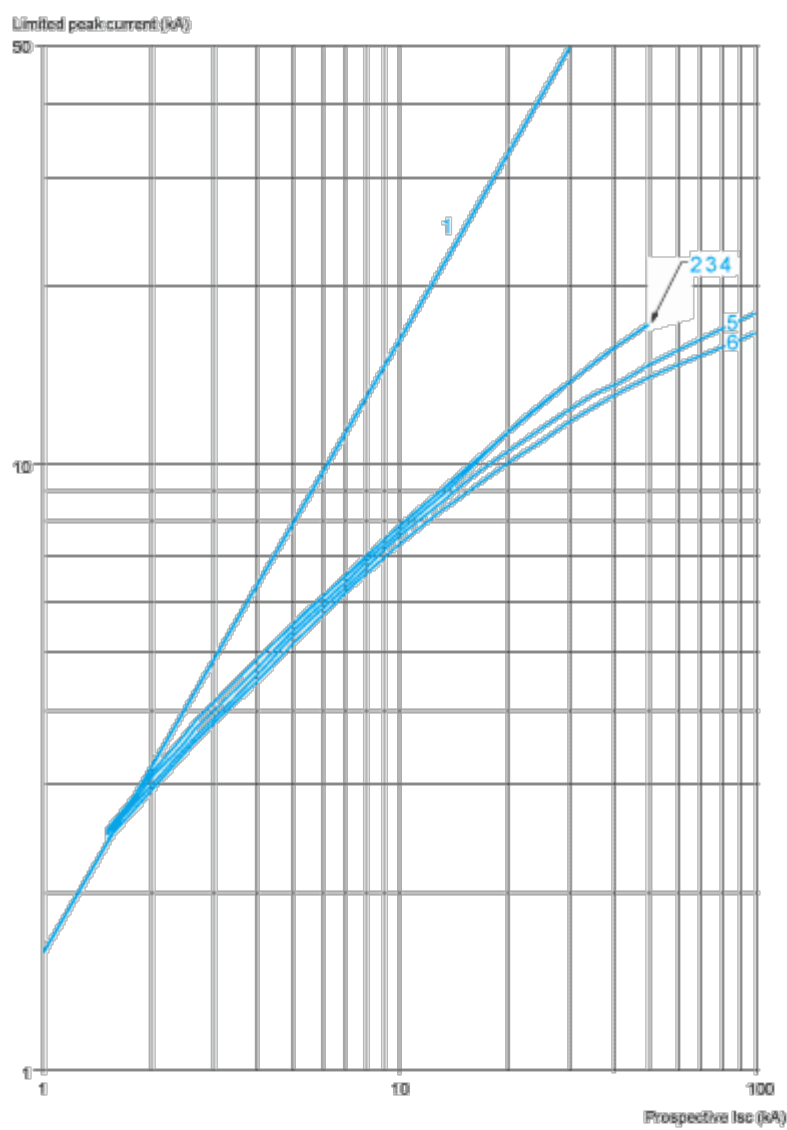


- 1 3 poles from cold state
- 2 2 poles from cold state
- 3 3 poles from hot state
- A Thermal overload relay protection zone
- B GV3L protection zone

Current Limitation on Short-Circuit for GV3L (3-Phase 400/415 V)

Dynamic Stress

I peak = f (prospective I_{sc}) at 1.05 U_e = 435 V

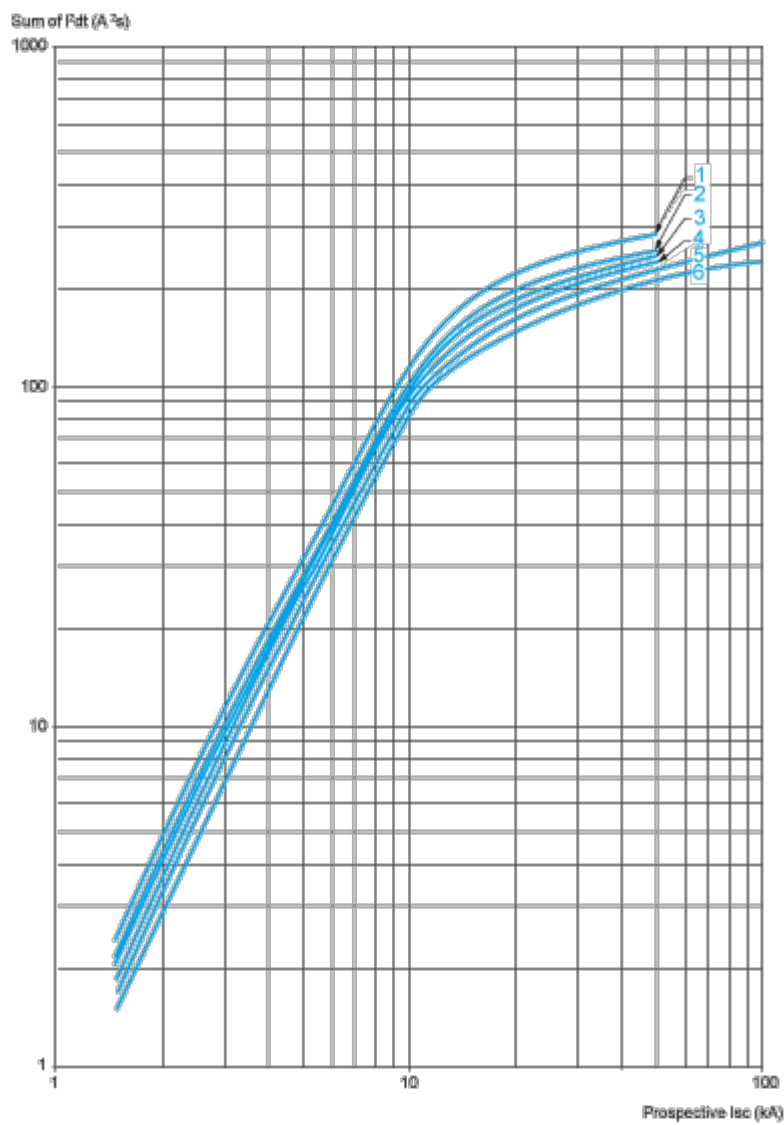


- 1 Maximum peak current
- 2 GV3L80 - GV3L73 - GV3L65
- 3 GV3L50
- 4 GV3L40
- 5 GV3L32
- 6 GV3L25

Thermal Limit on Short-Circuit for GV3L

Thermal Limit in A²s

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

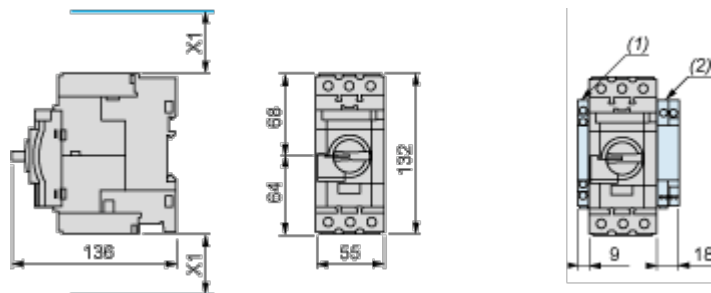


- 1 GV3L73 - GV3L80
- 2 GV3L65
- 3 GV3L50
- 4 GV3L40
- 5 GV3L32
- 6 GV3L25

Dimensions Drawings

GV3L, GV3P

Dimensions

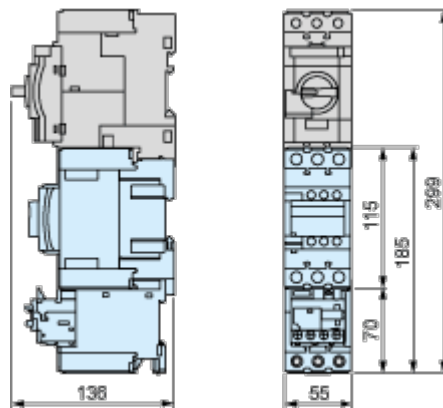


- (1) Blocks GVAN_{...}, GVAD_{...} and GVAM11.
- (2) Blocks GV3AU_{...} and GV3AS_{...}.

X1 = Electrical clearance (ISC max) 40 mm for Ue ≤ 500 V, 50 mm for Ue ≤ 690 V

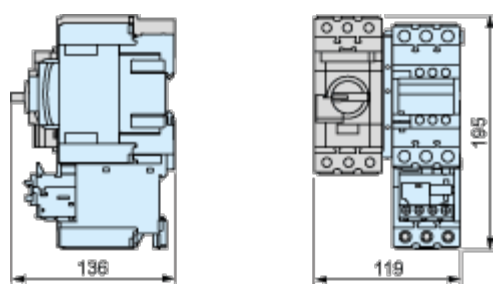
NOTE: Leave a space of 9 mm between 2 circuit breakers: either an empty space or side-mounting add-on contact blocks. Side by side mounting is possible up to 40 °C.

Mounting with Tesys contactor LC1D40A...D80A and relay LR3D313...380 ⁽¹⁾⁽²⁾⁽³⁾



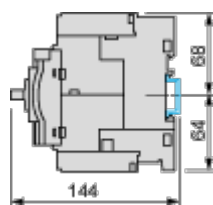
- (1) Mountings with c.b. up to GV3L73, GV3P73.
- (2) For GV3L80, GV3P80 use cable between components for dissipating heat. Consult online datasheets for values.
- (3) S-shape busbar system suitable up to 73 A.

Side by side mounting with Tesys contactor LC1D40A...D73A (S-shape busbar system GV3S⁽¹⁾)

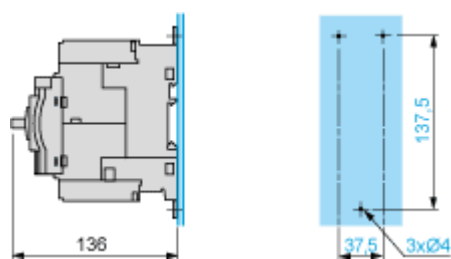


(1) Mountings with c.b. up to GV3L73, GV3P73.

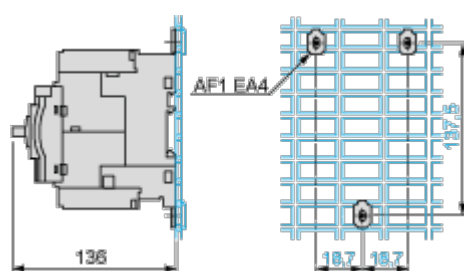
Mounting on Rail AM1 DE200 or AM1 ED201



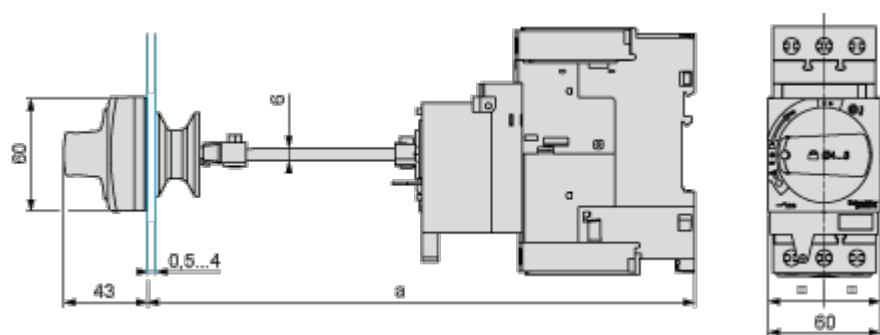
Panel Mounting, using M4 Screws



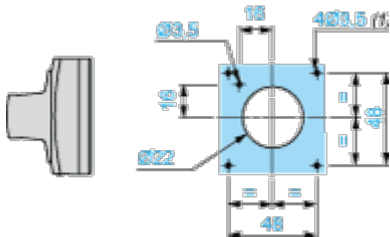
Mounting on Pre-Slotted Plate AM1 PA



Mounting of External Operator GV3APN01, GV3APN02 or GV3APN04 for Motor Circuit Breakers GV3L

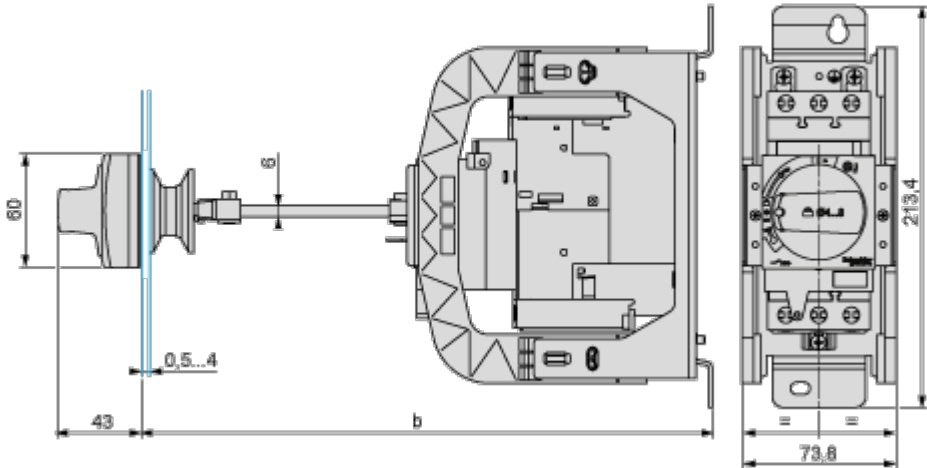


Door cut-out



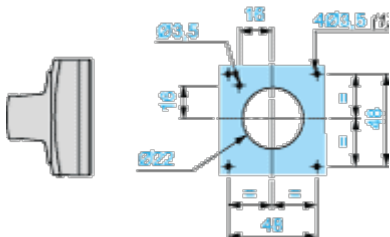
(1) For IP65 only.

Mounting of External Operator GVAPH03 for Motor Circuit Breakers GV3L



	b	
	Minimum	Maximum
GV3APN _{..} + GVAPH03	200	300
GV3APN _{..} + GVAPH03 + GVAPK12	300	492

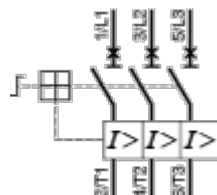
Door cut-out



(1) For IP65 only.

Connections and Schema

GV3L••



Offer Marketing Illustration

Product benefits / Features



TeSys Deca Motor Circuit Breakers

Range Accessories



Auxiliary
contact blocks



Comb busbar



Current limiter



Energy Sensor



Large
spacing cover



Terminal block



Combination block



Extended
rotary handle

Offer Marketing Illustration

Product benefits / Features

TeSys Deca

Motor Circuit Breakers



Operation and maintenance

Digital customer experience for technical documents and maintenance guide via EcoStruxure™ Facility Expert



Build and commissioning

Easier to install and operate with multi-standard screws, safe and long-lasting power connection with EverLink terminals.



Universal Integration

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



Offer Marketing Illustration

Product benefits / Features



The image shows a TeSys Deca Motor Circuit Breaker, a black industrial device with a green rotary handle. It is mounted on a DIN rail. The device has three main terminals on top and three on the bottom. The handle is in the 'ON' position. The Schneider logo is visible on the front face.

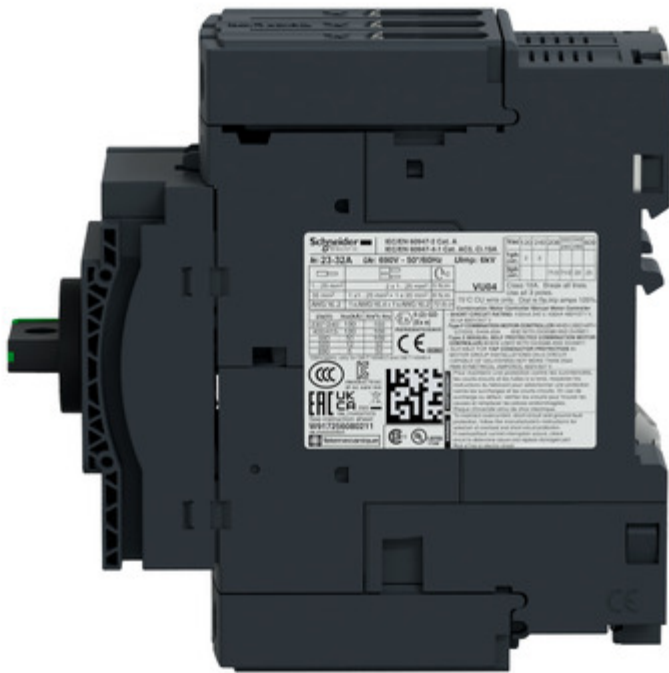
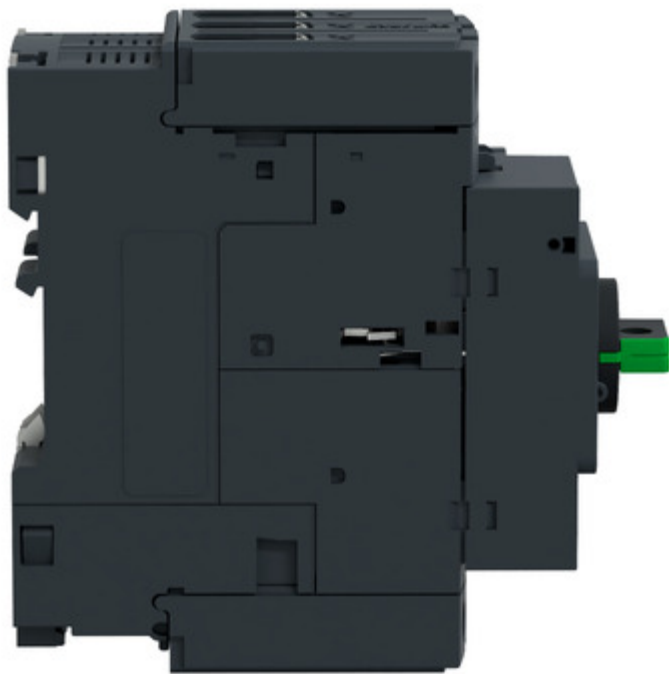
TeSys Deca Motor Circuit Breakers

Technical Benefits

- Easily integrated within multiple configurations, thanks to its 55 mm standard width and mounting on DIN rail.
- 9 ratings in total
- Magnetic and thermal overload protection, covers 9 to 80 A, 7.5 to 40 hp motor with 65 kA / 480 Y Type F
- Sturdy and long-lasting power connection with EverLink terminals
- Three-position (Start/Stop/Tripped) rotary handle, front face padlocking and other accessories
- Operating temperature from -20° C to +60° C open operation

Image of product / Alternate images

Alternative





Technical Illustration

Assembly's dimensions

