

WPE 70N/35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**General ordering data**

Version	PE terminal, Screw connection, Green/yellow, 70 mm ² , 1000 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid
Order No.	9512200000
Type	WPE 70N/35
GTIN (EAN)	4008190403881
Qty.	10 items

WPE 70N/35

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Dimensions and weights

Depth	85 mm	Depth (inches)	3.3464 inch
Depth including DIN rail	86 mm	Height	75 mm
Height (inches)	2.9527 inch	Width	20.5 mm
Width (inches)	0.8071 inch	Net weight	153.65 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	1.941 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	Green/yellow
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Wire cross section max. (ATEX)	70 mm ²	Wire cross section max. (IECEX)	70 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, With PE connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	Yes
Mounting rail	TS 35	N-function	No
PE function	Yes	PEN function	Yes

WPE 70N/35

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Additional technical data

Open sides	closed	Number of similar terminals	1
Installation advice	when screwed in	Explosion-tested version	Yes
Type of mounting	when screwed in	Locking	for screw fixing

CSA rating data

Wire cross section max. (CSA)	0 AWG	Certificate No. (CSA)	200039-1581431
Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B11	Wire connection cross section AWG, max.	AWG 0
Connection direction	on side	Tightening torque, max.	12 Nm
Tightening torque, min.	8 Nm	Stripping length	22 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	95 mm ²	Clamping range, min.	16 mm ²
Clamping screw	M 8	Blade size	S6 (DIN 6911)
Wire connection cross section AWG, min.	AWG 6	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	70 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm ²	Wire connection cross section, finely stranded, max.	70 mm ²
Wire connection cross section, finely stranded, min.	16 mm ²	Connection cross-section, stranded, max.	95 mm ²
Connection cross-section, stranded, min.	16 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	16 mm ²	Connection cross-section, finely stranded, min.	16 mm ²

General

Wire connection cross section AWG, max.	AWG 0	Installation advice	when screwed in
Wire connection cross section AWG, min.	AWG 6	Standards	IEC 60947-7-2
Mounting rail	TS 35		

PE rating data

Rated short-time current	8400 A (70 mm ²)	Centre screw on PE terminals	M 5
Tightening torque range for fixing screw	2.0...4.0 Nm	PEN function	Yes

Rating data

Rated cross-section	70 mm ²	Rated voltage to adjoining terminal	1000 V
Rated DC voltage	1000 V	Standards	IEC 60947-7-2

WPE 70N/35

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Volume resistance according to IEC 60947-7-x	0.17 mΩ	Rated impulse withstand voltage to adjacent terminal	8 kV
Power loss in accordance with IEC 60947-7-x	0.00 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	0 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	6 AWG	Conductor size Factory wiring min. (cURus)	6 AWG
Conductor size Field wiring max. (cURus)	0 AWG		

Classifications

ETIM 6.0	EC000901	ETIM 7.0	EC000901
ETIM 8.0	EC000901	ETIM 9.0	EC000901
ETIM 10.0	EC000901	ECLASS 9.0	27-14-11-41
ECLASS 9.1	27-14-11-41	ECLASS 10.0	27-14-11-41
ECLASS 11.0	27-14-11-41	ECLASS 12.0	27-14-11-41
ECLASS 13.0	27-25-01-03	ECLASS 14.0	27-25-01-03
ECLASS 15.0	27-25-01-03		

Drawings

