

EK 35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	PE terminal, Screw connection, yellow, green, 35 mm ² , 800 V, Number of connections: 2, Number of levels: 1, TS 32, V-2, PA 66
Order No.	0354760000
Type	EK 35
GTIN (EAN)	4008190187972
Qty.	20 items

Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	67.5 mm	Depth (inches)	2.6575 inch
Height	58 mm	Height (inches)	2.2835 inch
Width	16 mm	Width (inches)	0.6299 inch
Net weight	95.05 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	e1c310ef-6b67-4efa-80a6-d307472f4de9

Material data

Basic material	PA 66	Colour	yellow, green
UL 94 flammability rating	V-2		

Rating data IECEX/ATEX

Certificate No. (ATEX)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Wire cross section max. (ATEX)	50 mm ²	Wire cross section max. (IECEX)	50 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, One end without connector	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 32	N-function	No
PE function	Yes	PEN function	Yes

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Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	2 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	145 A	Certificate No. (CSA)	12400-127
Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm ²	Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B9	Wire connection cross section AWG, max.	AWG 2
Connection direction	on side	Tightening torque, max.	6 Nm
Tightening torque, min.	6 Nm	Stripping length	20 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	50 mm ²	Clamping range, min.	6 mm ²
Clamping screw	M 6	Blade size	6.5 x 1.0 mm
Wire connection cross section AWG, min.	AWG 8	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	6 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross section, finely stranded, min.	6 mm ²
Connection cross-section, stranded, max.	50 mm ²	Connection cross-section, stranded, min.	6 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	6 mm ²
Connection cross-section, finely stranded, min.	6 mm ²		

General

Wire connection cross section AWG, max.	AWG 2	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 8	Standards	IEC 60947-7-2
Mounting rail	TS 32		

Rating data

Rated cross-section	35 mm ²	Rated voltage to adjoining terminal	800 V
Standards	IEC 60947-7-2	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Rated impulse withstand voltage to adjacent terminal	8 kV	Power loss in accordance with IEC 60947-7-x	4.00 W
Pollution severity	3		

Technical data**UL rating data**

Conductor size Factory wiring max. (UR)	2 AWG	Conductor size Factory wiring min. (UR)	6 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	6 AWG
Conductor size Field wiring max. (UR)	2 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		