

BK 6/E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	Multipin terminal strip, Single- and multi-pole terminal strip, Rated cross-section: 4 mm ² , Screw connection, Direct mounting
Order No.	7906090000
Type	BK 6/E
GTIN (EAN)	4008190576295
Qty.	50 pc(s).

Creation date March 29, 2021 10:22:24 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

BK 6/E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	20 mm	Depth (inches)	0.787 inch
Height	52 mm	Height (inches)	2.047 inch
Net weight	38.4 g	Width	22 mm
Width (inches)	0.866 inch		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8209U	ATEX certificate	SIRA01ATEX3247U_e.pdf
ATEX certificate	SIRA01ATEX3247U_d.pdf	Certificate No. (IECEX)	IECEXTUR18.0019U
IEC Ex certificate	IECEXSIR05.0035U_e.pdf	Max. voltage (ATEX)	275 V
Current (ATEX)	28 A	Wire cross section max. (ATEX)	4 mm ²
Max. voltage (IECEX)	275 V	Current (IECEX)	28 A
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	4 mm ²		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	For the mounting rails	End cover plate required	No
---------	------------------------	--------------------------	----

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Type of mounting	Direct mounting		

CSA rating data

Certificate No. (CSA)	200039-2165696	Current size B (CSA)	10 A
Current size D (CSA)	10 A	Voltage size B (CSA)	300 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	22 AWG		

BK 6/E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Conductors for clamping (rated connection)

Blade size	4.0 x 0.8 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.33 mm ²	Clamping screw	M 3
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	1.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	12	Stripping length	8 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Torque level with DMS electric screwdriver	2	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 22
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

General

Installation advice	Direct mounting	Number of poles	6
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 22		

Rating data

Power loss in accordance with IEC 60947-7-x	1.02 W	Rated cross-section	4 mm ²
Rated voltage	400 V	Rated current	32 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	6 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size B (UR)	20 A
Current size C (UR)	20 A	Current size D (UR)	10 A
Voltage size B (UR)	250 V	Voltage size C (UR)	150 V
Voltage size D (UR)	300 V	Wire cross section max. (UR)	12 AWG
Wire cross section min. (UR)	22 AWG		

Classifications

ETIM 6.0	EC001284	ETIM 7.0	EC001284
ECLASS 9.0	27-14-11-06	ECLASS 9.1	27-14-11-06
ECLASS 10.0	27-14-11-06	ECLASS 11.0	27-14-11-06

Creation date March 29, 2021 10:22:24 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

BK 6/E

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity ATEX Certificate IECEX Certificate CB Test Certificate CB Certificate EAC certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	PCN_BK_20190405
User Documentation	NTI BK 2-12/E StorageConditionsTerminalBlocks