



Cable entry with membrane for unassembled cables, Mounting type: Snap-on and srew, Length: 147 mm, Width: 58 mm, IP66, Colour: Black

#### **RAL:** 9005

### **Business data**

Article number	28646.4
Article name	KES-GB 21/24 BK
GTIN (EAN)	4044211220150
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	115 g
Weight per piece (including packaging)	122.2 g
Unit of weight	G
Customs number	39259020
Country of origin	DE
Prio-Article	28646.6
Product description	Cable Entry



### **Technical data**

Length149.6 mmLength of wall cutout112 mmWidth of wall cutout36 mmInstallation height14.5 mmMaterialPolyamide 6.6Glass-fibre reinforced✓Flammability class UL 94V-0Working temperature, min40 °CWorking temperature, max.90 °CSealing materialTPEHalogen-free✓Silicone-free✓Working typeSnap-on and screw-onDegree of protectionIP66Sheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screws3 NmNumber of wires21Number of wires21Number of cables for cable diameters 3.2 - 6.3 mm14Number of acables for cable diameters 5.5 - 10.5 mm4Number of acables for cable diameters 8.0 - 12.5 mm2REACH ConformyesREACH Candidate Substance NoteNoREACH Candidate Substance NoteNoREACH Candidate Substance NoteNoReACH Candidate Substance NoteNoRead Conformyes	Dimensions	
Width58 mmWidth of wall cutout36 mmInstallation height14.5 mmMaterialsPolyamide 6.6Glass-fibre reinforced $\checkmark$ Flammability class UL 94V-0Working temperature, min40 °CWorking temperature, max.90 °CSealing materialTPEHalogen-free $\checkmark$ Slicone-free $\checkmark$ Further technical dataMounting typeSnap-on and screw-onDegree of protectionIP66Sheet thickness min.1.5 mmSheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of cables for cable diameters $3.2 \cdot 6.3$ mm1Number of cables for cable diameters $4.0 \cdot 7.5$ mm4Number of cables for cable diameters $5.5 \cdot 10.5$ mm4Number of cables for cable diameters $5.5 \cdot 10.5$ mm4Number of cables for cable diameters $5.5 \cdot 10.5$ mm4Number of cables for cable diameters $5.5 \cdot 10.5$ mm4Number of cables for cable diameters $5.5 \cdot 10.5$ mm4REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Length	149.6 mm
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Installation height14.5 mmMaterialPolyamide 6.6Glass-fibre reinforced✓Flammability class UL 94V-0Working temperature, min40 °CWorking temperature, max.90 °CSealing materialTPEHalogen-free✓Silicone-free✓Further technical dataV-0Mounting typeSnap-on and screw-onDegree of protectionIP66Sheet thickness min.1.5 mmSheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of vires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Width	58 mm
MaterialPolyamide 6.6Glass-fibre reinforced $\checkmark$ Flammability class UL 94V-0Working temperature, min40 °CWorking temperature, max.90 °CSealing materialTPEHalogen-free $\checkmark$ Silicone-free $\checkmark$ Further technical dataMounting typeSnap-on and screw-onDegree of protectionIP66Sheet thickness min.1.5 mmSheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of vires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Width of wall cutout	36 mm
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Working temperature, max.   90 °C     Sealing material   TPE     Halogen-free   ✓     Silicone-free   ✓     Further technical data   ✓     Mounting type   Snap-on and screw-on     Degree of protection   IP66     Sheet thickness min.   1.5 mm     Sheet thickness max.   2 mm     NEMA Type   1, 12, 4x (indoor use only)     Number of screw holes   4     Fixing screws   M4 (ISO 4762 / DIN 912)     Torque of the fixing screws   3 Nm     Number of cables for cable diameters 3.2 - 6.3 mm   1     Number of cables for cable diameters 4.0 - 7.5 mm   14     Number of cables for cable diameters 5.5 - 10.5 mm   4     Number of cables for cable diameters 8.0 - 12.5 mm   2     Environmental Product Compliance   2     REACH Conform   yes     REACH Conform   yes     REACH Reference date   2023-06-14     REACH Candidate Substance Note   No	Flammability class UL 94	V-0
Sealing material   TPE     Halogen-free   ✓     Silicone-free   ✓     Further technical data   ✓     Mounting type   Snap-on and screw-on     Degree of protection   IP66     Sheet thickness min.   1.5 mm     Sheet thickness max.   2 mm     NEMA Type   1, 12, 4x (indoor use only)     Number of screw holes   4     Fixing screws   M4 (ISO 4762 / DIN 912)     Torque of the fixing screws   3 Nm     Number of cables for cable diameters 3.2 - 6.3 mm   1     Number of cables for cable diameters 4.0 - 7.5 mm   14     Number of cables for cable diameters 5.5 - 10.5 mm   4     Number of cables for cable diameters 8.0 - 12.5 mm   2     Environmental Product Compliance   2     REACH Conform   yes     REACH Reference date   2023-06-14     REACH Candidate Substance Note   No	Working temperature, min.	-40 °C
Halogen-free   ✓     Silicone-free   ✓     Further technical data   ✓     Mounting type   Snap-on and screw-on     Degree of protection   IP66     Sheet thickness min.   1.5 mm     Sheet thickness max.   2 mm     NEMA Type   1, 12, 4x (indoor use only)     Number of screw holes   4     Fixing screws   M4 (ISO 4762 / DIN 912)     Torque of the fixing screws   3 Nm     Number of cables for cable diameters 3.2 - 6.3 mm   1     Number of cables for cable diameters 4.0 - 7.5 mm   14     Number of cables for cable diameters 5.5 - 10.5 mm   4     Number of cables for cable diameters 8.0 - 12.5 mm   2     Environmental Product Compliance   2     REACH Conform   yes     REACH Reference date   2023-06-14     REACH Candidate Substance Note   No	Working temperature, max.	90 °C
Silicone-free   ✓     Further technical data	Sealing material	TPE
Further technical dataMounting typeSnap-on and screw-onDegree of protectionIP66Sheet thickness min.1.5 mmSheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Halogen-free	$\checkmark$
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Degree of protectionIP66Sheet thickness min.1.5 mmSheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of wires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Further technical data	
Sheet thickness min.1.5 mmSheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of wires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 5.5 - 10.5 mm14Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Mounting type	Snap-on and screw-on
Sheet thickness max.2 mmNEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of wires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Degree of protection	IP66
NEMA Type1, 12, 4x (indoor use only)Number of screw holes4Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of wires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Sheet thickness min.	1.5 mm
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Fixing screwsM4 (ISO 4762 / DIN 912)Torque of the fixing screws3 NmNumber of wires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product ComplianceyesREACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	NEMA Туре	1, 12, 4x (indoor use only)
Torque of the fixing screws3 NmNumber of wires21Number of cables for cable diameters 3.2 - 6.3 mm1Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Number of screw holes	4
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Number of cables for cable diameters 4.0 - 7.5 mm14Number of cables for cable diameters 5.5 - 10.5 mm4Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Number of wires	21
Number of cables for cable diameters 5.5 - 10.5 mm4Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product Compliance2REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Number of cables for cable diameters 3.2 - 6.3 mm	1
Number of cables for cable diameters 8.0 - 12.5 mm2Environmental Product ComplianceyesREACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Number of cables for cable diameters 4.0 - 7.5 mm	14
Environmental Product Compliance     REACH Conform   yes     REACH Reference date   2023-06-14     REACH Candidate Substance Note   No	Number of cables for cable diameters 5.5 - 10.5 mm	4
REACH ConformyesREACH Reference date2023-06-14REACH Candidate Substance NoteNo	Number of cables for cable diameters 8.0 - 12.5 mm	2
REACH Reference date 2023-06-14   REACH Candidate Substance Note No	Environmental Product Compliance	
REACH Candidate Substance Note No	REACH Conform	yes
	REACH Reference date	2023-06-14
RoHS Conform yes	REACH Candidate Substance Note	No
	RoHS Conform	yes

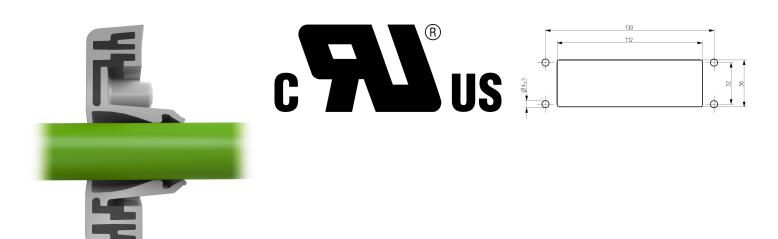


### Approvals

cUL Recognized		
cUL approval	C22.2 No. 14-18	
cUL File Number	E489821	
CUL Recognized 1		
UL Recognized		
UL approval	UL 508A	
UL File Number	E489821	
UL Recognized	1	
UL Type Rating	1, 12, 4x (indoor use only)	



#### Media





#### Accessories

#### EMC brackets



Shield-connection rail enabling mounting of shield connection clips directly on cable entry system KDS and KES, Mounting type: Screw, Length: 35,3 mm, Width: 140 mm, Height: 16 mm, Profile: 10x3 mm

Article number	Article name	GTIN (EAN)	Packaging unit
28626.0	KDS-EMV-SAB 10/24	4044211219659	1 ST

#### **Sheet-metal puncher**



Sheet metal puncher for rectangular openings, Dimensions opening: 112 x 36 mm, Maximum wall thickness: 2.0 mm for stainless steel sheet, Material: steel

Article number	Article name	GTIN (EAN)	Packaging unit
28752.0	BL-VA KES	4044211221935	1 ST



Sheet metal puncher for rectangular openings, Dimensions opening: 112 x 36 mm, Maximum wall thickness: 2.0 mm for S 235 sheet, Material: steel

Article number	Article name	GTIN (EAN)	Packaging unit
28744.0	BL KES	4044211221942	1 ST