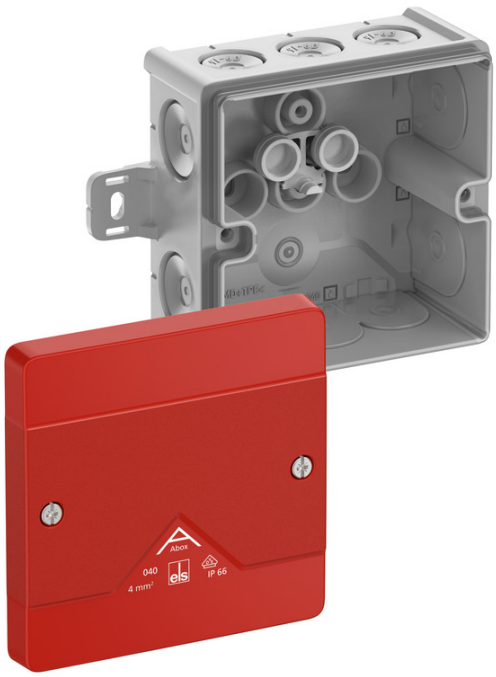
Junction box

Abox 040 AB-L/SB



Abox 040 AB-L/SB

Junction box

Productnumber: 80470101
Dimensions: 102 x 102 x 57 mm

Junction box, protection class IP66, nominal cross-section 4 mm², certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25, sealing range 4 - 21 mm, (1 rear, 10 side), external fixing lugs, for standard indoor and protected outdoor installations

grey, Ui=1000 V AC, with red cover, without terminals, for identification of safety lighting circuits

IP66 | 4² | IK07 | 1000V AC | 1000V DC

Technical Data

electrical characteristics

Rated insulation voltage AC:	1000 V
Rated insulation voltage DC:	1000 V
Max. conductor cross section:	4 mm²
Protection class:	II
Type of protection:	IP66
Terminal type:	none

Colours

Base unit colour:	grey
Cover colour:	red

Dimensions

Width:	102 mm
Length:	102 mm
Height:	57 mm
Inner length:	90 mm
Inner width:	90 mm
Inner height:	49 mm
Weight:	0.1303 kg

Material characteristics

UV-resistant:	yes
Halogen free:	yes
Flammability class according with UL94:	HB
Glow-wire flammability:	750 °C (EN 60695-2-11)

Max. number of terminals per cross section acc. to DIN VDE 0606-1

max. amount of terminals at 1,5²:	10
max. amount of terminals at 2,5²:	8

Max. number of terminals per cross section acc. to DIN VDE 0606-1

max. amount of terminals at 4²:	6

Max. number of wires per cross section acc. to DIN VDE 0606-1

max. amount of wires at 1,5²:	30
max. amount of wires at 2,5²:	24
max. amount of wires at 4²:	20

mechanical properties

for sealing range min:	4 mm
for sealing range max:	21 mm
Impact strength:	IK07
Sealable:	yes
Cover screw torque:	1.2 Nm
Type of fastening:	Wall/ceiling mounting
Fastening:	external fixing lugs

Ambient conditions

max. relative humidity 25°C:	95 %
max. relative humidity 40°C:	50 %
Min. ambient temperature:	-25 °C
Max. ambient temperature:	55 °C
24h ambient temperature:	35 °C
Installation location:	protected outdoor areas

Sales Information

EAN:	4013902661176
ETIM Class:	EC002600
Custom tariff number:	85389099
Minimum order quantity:	1

Material

Base unit material:	Polypropylene
Cover material:	Polypropylene
Entry material:	Thermoplastic elastomer
Sealing material:	Thermoplastic elastomer
Cover screw material:	Stainless steel 1.4567 (V2A)

Certificates

Test mark:	VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22))
Test mark:	DLG (Ammonia resistance)

Accessories

22741601 - KVR M16-MGM - Cable gland

22742001 - KVR M20-MGM - Cable gland

22742101 - KVR M20-GDB/MGM - Cable gland

26041601 - DMS M16 - Double-membrane seals

26042001 - DMS M20 - Double-membrane seals

89500101 - Abox PST 025-100 - Sealing kit

89520401 - Abox 040 TS15 - Standard rail

89600201 - Abox 025/040 KH 2273 2,5² - Terminal holder

89600301 - Abox 025/040 KH 221 4² - Terminal holder

89640401 - Abox 025/040 KLS-2,5²/4² - Terminal block

89601001 - MABF 65-1 - Mast/pipe fixing set

89602901 - KTB 1-100 - Cable tray fastening

Cable gland

