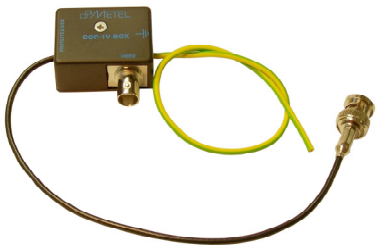
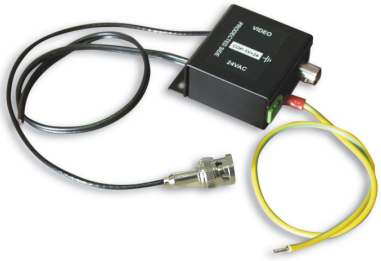
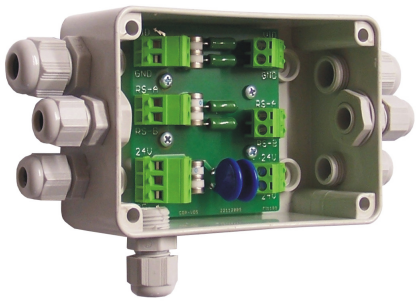
Overvoltage protections video, supply and RS485
BREAK-COP-BOX and IP55



1V-BOX



...-1V+XX-BOX



...-VD24-BOX

Overvoltage protections COP-BOX are designed to protect
1Vpp video line: BREAK-COP-1V
video line and 12VDC supply: BREAK-COP-1V+12-BOX
video line and 24VAC supply: BREAK-COP-1V+24-BOX
and for installation directly to camera covers.
Overvoltage protections COP-VD24-IP55 are designed to protect video lines, supply 24VAC / 5A and RS485 data.

- **Two-stage protection**
- **PE terminal galvanically isolated**

ORDERING NAME	CODE	IP
BREAK-COP-1V-BOX	3-401-111	IP20
BREAK-COP-1V+12-BOX	3-401-112	IP20
BREAK-COP-1V+24-BOX	3-401-113	IP20
BREAK-COP-VD24-IP55	3-401-114	IP55

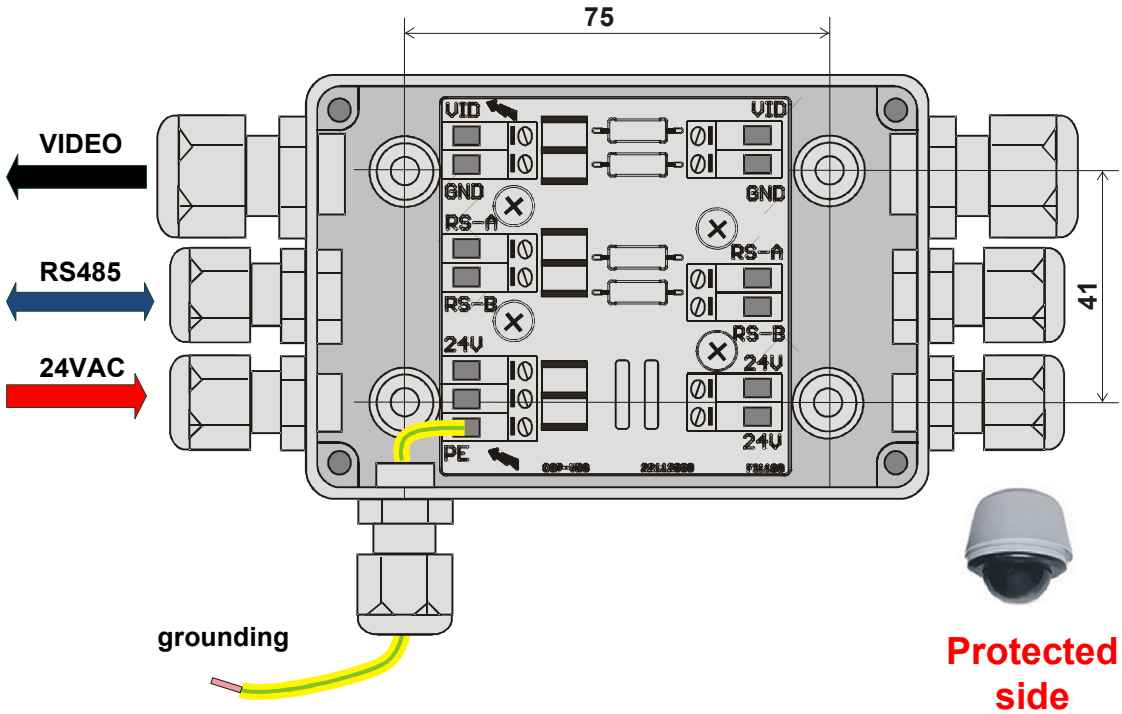
	Parameter	Value	Unit	Note	
Video	Level	max. 6	Vpp		
	Max. leakage current	5	kA		
	Protection level	20	V		
RS485	Level	max. 6	Vpp	1Mbps	
	Max. leakage current	5	kA		
	Protection level	20	V		
Supply 12VDC	Level	max. 15	VDC	max. 1A	
	Max. leakage current	5	kA		
	Protection level	40	V		
Supply 24VAC	Level	max. 30	VAC	max. 1/5A	BOX/IP55
	Max. leakage current	5	kA		
	Protection level	70	V		
Environment	Operational range	–40...+80	°C		
	Humidity	max. 95 (non-condensing)	%		
Mechanical	Dimensions - w / h / l	1V: 22 x 44 x 32	mm	without connectors	
Parameters		1V+12: 46 x 27 x 43	mm	without connectors	
		1V+24: 46 x 27 x 43	mm	without connectors	
		VD24: 114 x 79 x 58	mm	without grommets	
	Weight	1V: 50	g		
		1V+12: 140	g		
		1V+24: 140	g		
		VD24: 210	g		

The producer retains the right to change any technical parameters without previous announcement.

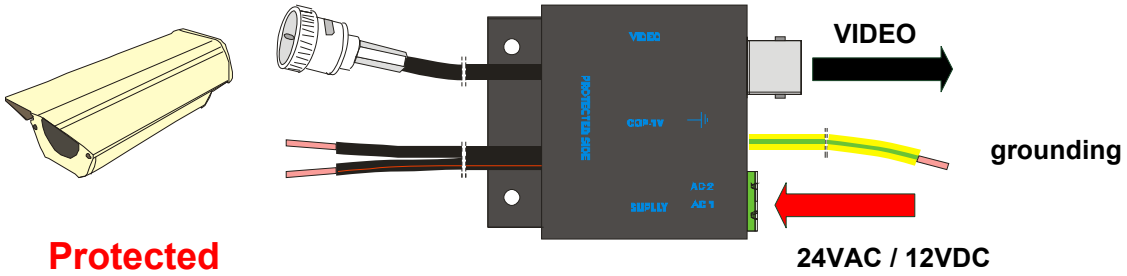
Installation and setting

1. **Ground the PE terminal using a cable** of min. 2.5mm^2 profile to the nearest grounding point.
2. **Connect the video signal wires** according to the pictures below.

COP-VD24-IP55



COP-1V+xx-BOX



COP-1V-BOX