



Pushing Performance
Since 1945

PushPull V4, power, 48V/12A, 4p



Image is for illustration purposes only. Please refer to product description.

Part number	09 46 145 4420
Specification	PushPull V4, power, 48V/12A, 4p
HARTING eCatalogue	https://harting.com/09461454420

Identification

Category	Connectors
Series	HARTING PushPull (V4)
Identification	Power
Element	Connector sets

Version

Termination method	Crimp termination
Shielding	Unshielded
Number of contacts	4
Locking type	PushPull
Pack contents	incl. 4 turned crimp contacts (male) for 1.5 mm², insulation body, housing and cable gland

Technical characteristics

Conductor cross-section	1.5 mm²
Conductor cross-section [AWG]	AWG 16 ... AWG 14
Wire outer diameter	≤3.7 mm
Rated current	12 A
Rated voltage	48 V
Rated impulse voltage	1.5 kV
Pollution degree	3
Tightening torque	1.3 ... 1.5 Nm
Limiting temperature	-40 ... +70 °C



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Technical characteristics

Mating cycles	≥750
Degree of protection acc. to IEC 60529	IP65 IP67
Cable diameter	4.5 ... 10 mm
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 2h/axis 5.72 m/s² acc. to IEC 61373 Category 1 Class B
Shock resistance	25 g / 11 ms, 3 shocks / axis and direction 5 g / 30 ms, 5 shocks / axis and direction acc. to IEC 61373 Category 1 Class B

Material properties

Material (hood/housing)	Thermoplastic
Colour (hood/housing)	Black
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 61076-3-106 Variant 4 (V4) EN 45545-2
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
Approvals	DNV GL

Commercial data

Packaging size	1
Net weight	1 g



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Commercial data

Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140223646
eCl@ss	27440114 Rectangular connector (for field assembly)
ETIM	EC002636
UNSPSC 24.0	39121408