

Data Sheet | Item Number: 750-624

Filter module for field-side power supply (surge); 24 VDC

<https://www.wago.com/750-624>



The WAGO I/O System 750 can also be used in marine applications and onshore/offshore installations (e.g., platforms, loading facilities). This is possible via certification under the standards of leading agencies such as Germanischer Lloyd and Lloyd's Register. This filter module ensures proper (certified) system operation. The module protects against high-energy disturbances on DC supply lines due to switching overvoltages caused by inductive loads. It contains a transient protection for field supply.

Technical data

Signal type	Voltage
Signal type (voltage)	24 VDC
Supply voltage (system)	5 VDC; via data contacts
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact)
Indicators	LED (C) green: operating voltage status; power jumper contacts
Number of incoming power jumper contacts	3
Number of outgoing power jumper contacts	3
Current carrying capacity (power jumper contacts)	10 A

Connection data

Connection technology: field supply	6 x CAGE CLAMP®
Connection type 1	Field supply
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data

Width	12 mm / 0.472 inches
Height	100 mm / 3.937 inches
Depth	69.8 mm / 2.748 inches
Depth from upper-edge of DIN-rail	62.6 mm / 2.465 inches

Mechanical data

Mounting type	DIN-35 rail
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Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	1.009 MJ
Weight	46.7 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Mounting position	Horizontal left, horizontal right, horizontal up, horizontal down, vertical top and vertical bottom
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications
Exposure to pollutants	per IEC 60068-2-42 and IEC 60068-2-43
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

Product Group	15 (I/O System)
eCl@ss 10.0	27-24-26-10
eCl@ss 9.0	27-24-26-10
ETIM 8.0	EC001600
ETIM 7.0	EC001600
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821456346
Customs tariff number	85389091890

Environmental Product Compliance

CAS-No.	25550-51-0 7439-92-1
REACH Candidate List Substance	4-Methyl-1,2-cyclohexanedicarboxylic anhydride Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	5eff14ba-540d-4500-ac0f-e6f3ded60acb
SCIP notification number (Belgium)	928f02ec-6363-4e05-bc56-16b597d439dc
SCIP notification number (Bulgaria)	27868f2f-851d-4b01-843d-5435c997ae29
SCIP notification number (Czech Republic)	da86fd70-e197-4a9d-8472-75a46abb7130
SCIP notification number (Denmark)	40a34d7c-1ba4-45e5-9ce4-e0c35ab8b016
SCIP notification number (Finland)	93ac6b68-a920-4c82-9cb9-29b8b9e7e906
SCIP notification number (France)	256706c2-79c9-4826-888b-339a319fe0ba
SCIP notification number (Germany)	107f4f83-59f6-4be9-b707-ba27ea375ae1
SCIP notification number (Hungary)	80dc935c-eeb9-4625-9754-74c9f9308eb0
SCIP notification number (Italy)	ba67535c-06b2-4671-9074-e01f3e33c26c
SCIP notification number (Netherlands)	cac089d-2141-49df-aae2-970f999e6c99
SCIP notification number (Poland)	aba989b9-a150-41f3-bad4-716ac924aed2
SCIP notification number (Romania)	81073063-881e-4730-ae3c-1c30292049bc
SCIP notification number (Sweden)	5a74e3ee-1d57-43b5-a083-403678841507

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com