

Trading

Global solutions made easy



KEAS Control Systems India Private Limited

www.keascontrols.com



Profile

About KEAS

KEAS CONTROL SYSTEMS INDIA PRIVATE LIMITED(KCSIPL) was established in the early years of 21st Century, as a Private Limited Company to provide Quality Engineering and Automation Solutions to major Process and other Industries in core sectors like Oil and Gas, Power, Sugar, Steel, Cement etc. KCSIPL is a technology-driven company that infuses Engineering with imagination. We offer, in Electrical & Instrumentation, a wide range of advanced solutions, services and products. Head quartered at Coimbatore (India), KCSIPL has Regional offices at Chennai, Hyderabad,Mumbai, Kolkata, Delhi, Bangalore, Ahmedabad and Pune. Branch offices at Tiruchirapalli, Hosur, Madurai, Pondicherry and Representative Office at Malaysia.

We are an ISO 9001:2008 certified Company and our QMS has been certified by Det Norske Veritas (DNV). We are certified by the Electrical Licensing Board of India, with an ESA Grade Contractor License to carry out Electrical works with no limitations on Voltage or Capacity.

Our Strategic Business Units :

Engineering Services - *"Forefront of Technology"*

Site Survey	Startup
Conceptual Design	As Built
FEED	O&M Manual
Detailed Design	
3D Modeling	
Pre-Commissioning	
Commissioning	



Engineering Procurement and Construction - *"Energising Growth Naturally"*

Our Engineering Services

Site Survey, Conceptual Design, FEED, Detailed Design, Pre-commissioning, Commissioning, Startup, As Built, O&M Manual.

Our Procurement Services

Creating Functional Specifications, Technical Data Sheets, Issuing RFQs, Vendor Identification and Evaluation, and Preparing Techno-Commercial Analysis.

Our Construction services

Complete turnkey Solutions for Electrical, Instrumentation and Automation with allied Civil, Structural and Mechanical work in core sectors, Switchyard, Substation, Power Distribution, Calibration, Testing & Commissioning, Site work, O&M, AMC.

Our Commissioning services

Start-up procedures, Start-up and commissioning services, Troubleshooting, Operation and maintenance Manual, Operator training - classroom/field.



Control Panel and E-House Manufacturing - *"Technology Customized"*

Control Panel :

KCSIPL meets the varying needs of customer with a wide range of products maintaining high and Consistent Quality Standards.
PCC, MCC, DCS / PLC Panels, AMF Panels, VFD Panels, APFC Panels, Junction Boxes, F&G Panels.

E-House :

Design Engineering, Manufacturing, Construction, Installation and Commissioning.





Your “DREAMS” come true

Automation - “Your DREAMS come true”



- Industrial Process Automation
- Industrial Machine Automation
- Security Solutions
 - Security and Observation System
 - Time and Attendance systems
 - Under-Vehicle Surveillance systems
 - Burglar Alarms
 - Proximity Card, Biometric, RFID and other access control systems
- Asset monitoring systems
- Fire Detection and Automated Fire Fighting Systems
- Boom Barriers

Trading - “Global solutions made easy”

- Multipole Industrial Connectors
- Cable Glands
- Conduits
- Split Conduits
- Energy Drag Chain
- Cable Trolley System
- Special Cables
 - Flexible Control Cables
 - Solar Cables
 - Data Cables
 - BUS, LAN, Coaxial Cables
 - Energy Drag Chain Cables
 - Rubber Cables
 - Heat Resistance Cables
- Variable Frequency Drives
- Die-cast Aluminum Boxes
- Remote Controllers
- Terminals
- Cable Accessories



OrbitRouter



- Vehicle Tracking System
- Personnel Tracking System
- Mobile Tracking System
- Asset Monitoring
- VOIP
- Grid Monitoring
- CCTV Surveillance Systems
- Other IT enabled solutions

KCSCL - Training - “Transformation of knowledge to skills”

Training division of KEAS

Training's Offered :

Employability Skills
Softskills and Personality Development for Institutions
Corporate and Management Training
Technical Skills Training (PLC/SCADA/DCS/VFD)
Conducting Technical workshop in colleges



Field Services - “Better than you wish, Before you feel a need”



Range : 5 KVA to 500 KVA

Mahindra Authorized
Sales, Service and
Spares Dealer

- Diesel Generator Sales and Services
- Installation and Commissioning
- Annual Maintenance Contract
- Comprehensive Annual Maintenance Contract
- Overhauling of Diesel Generators
- Spares for Diesel Generators
- 24/7 Service Support

MyFriend - “we care”

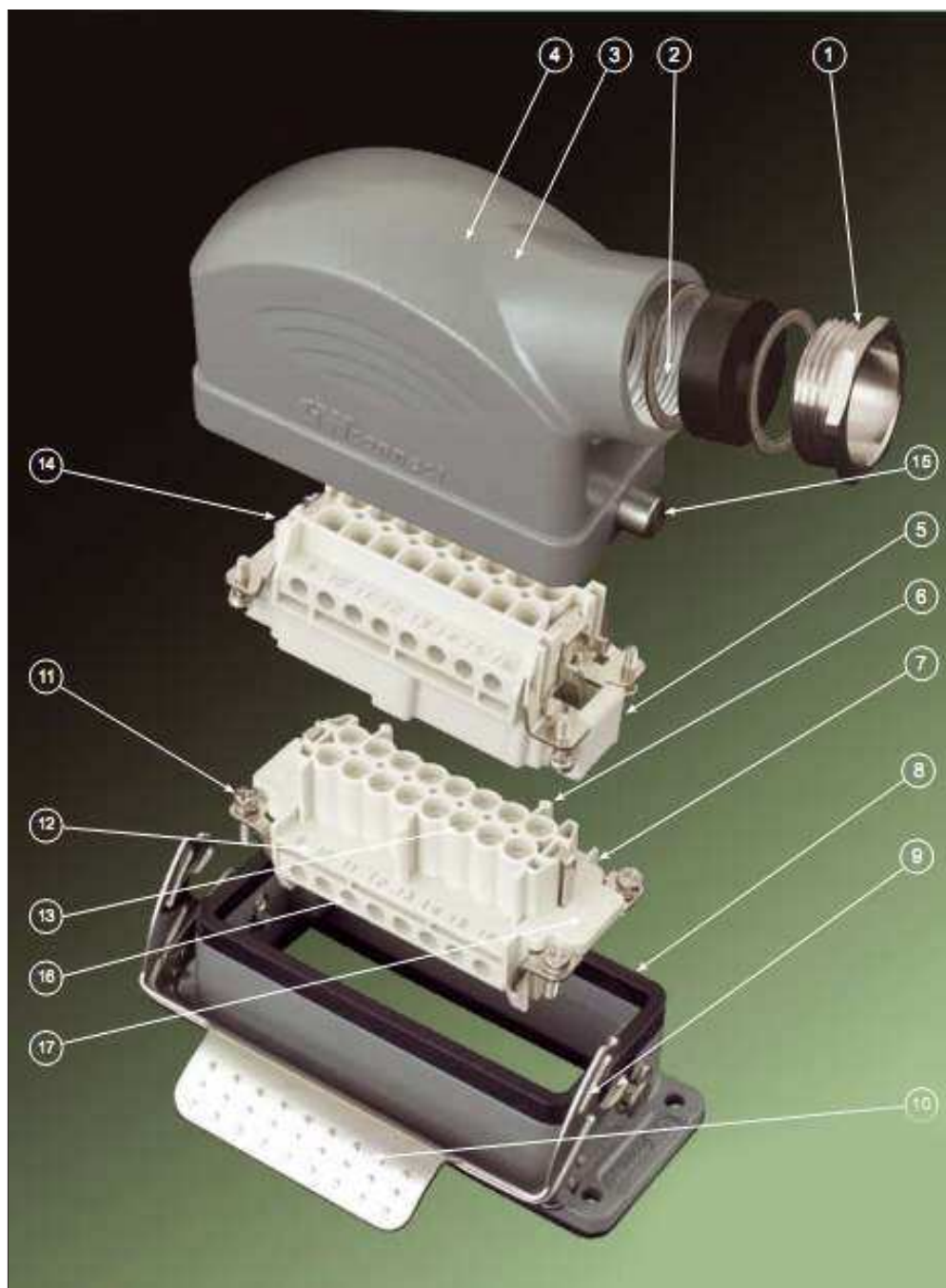
Service Division of KEAS

MyFriend is a dependable one stop 24x7 on call service provider for breakdowns as well as Preventive maintenance of all your home necessities like Electrical Faults, Air Conditioners, Plumbing and Consumer Electronics. We provide Fast, Dependable, Economical and Professional Repair, Services and also undertake Regular Annual Maintenance. Our Service Professionals will conduct study and recommend you with preventive measures to avoid recurring problems, Energy wastage etc., and ensure you a highly peaceful home living.





Multipole Industrial Connectors *from* **Westec®**



Technical features

- 1) A wide range of accessories comprising of: cable glands, fittings for flexible conduits, blanking plugs, enlargers, reducers and lock units.
- 2) Threaded cable passage in various Pg and metric thread (in accordance with EN 60423) available, for cable entry devices in accordance with EN 50262, as option located vertically, horizontally or at the front. NPT threads on request.
- 3) Heavy duty enclosures in die-cast aluminium alloy or self-extinguishing thermoplastic. Surface mounting or bulkhead housings and hoods are available, with or without fixed covers or with mobile protection covers. The enclosures for the use at a voltage of 500V have two tabs that prevents the insertion of inserts for the use with 830V. Those for the use with a rated voltage of 830V do not have any tabs and supplementary insulating strips are applied.
- 4) Metal enclosures powder coated with high resistance to mechanical stress and external agents, Enclosures used for harsh environments are treated with special epoxy powder coating. Certified UL/CSA.
- 5) Insert in self-extinguishing thermoplastic material reinforced with glass fibers, UL approved, with a limit working temperature from 40°C to + 125°C.
- 6) Inserts with asymmetric guide rails for preventing incorrect coupling, The inserts have a mechanical duration equal to or over 500 mating/unmating cycles.
- 7) Inserts manufactured to conform with EN 61984, VDE 0110, VDE 0627, EN 175301-801, UL 1977 standards. They are certified and labelled with the UL and CSA marks.
- 8) Special seal gaskets in anti-ageing, oil-resistant and fuel resistant vinyl nitrile elastomer or fluoro elastomer (for use in harsh environments) together with the joints provide an IP66 degree of protection for coupled connectors.
- 9) Monoblock galvanized steel or stainless steel or self-extinguishing glass filled thermoplastic material locking levers guarantee a perfect closure and sealing.
- 10) Locking device available in two versions, simple (with one lever) or double (with two levers).
- 11) Captive insert fastening screws, with anti-loosening flexible washer.
- 12) Contacts position identified with numbers on both sides of each insert, laser printed or moulded.
- 13) Contacts in silver or gold-plated copper alloy with connection to the conductors made via captive screws, crimping terminals, spring terminals or screws with incorporated terminal block.
- 14) Earth terminal with wide contact surface.
- 15) Stainless steel pegs that facilitate the locking and eliminate damages.
- 16) Captive contact screws, stainless steel wire protector.
- 17) CE marking attesting the conformity to the requirements of the Directive Low Voltage Device (LVD) 2006/95/EC and of the Directive EMC 2004/108/EC for the products developed for industrial applications that require Electromagnetic Compatibility (EMC).





Multipole Industrial Connectors *from* **Westec®**

Advantages :

- 1) Designed and tested in accordance with the latest international standards
- 2) Suitable for the worldwide market it conforms with both European and American Standard Systems
- 3) Innovative Italian Design with ergonomic round shape
- 4) Captive screws
- 5) Wire protectors in stainless steel. Contact screws in steel or stainless steel on request.
- 6) For metal enclosures we use only monoblock metal levers for anti-ageing and no breaks.
- 7) Riveted pegs in stainless steel on hoods, housings and covers to avoid corrosion, breaking and losing of IP protection(I)
- 8) High construction hoods for IP66 cable glands and dedicated type for IP68 cable glands for space saving.
- 9) Wide range of cable glands and accessories for better performances, easy assembling & cost reduction.
- 10) Fully compatible(II)
- 11) RoHS compliant
- 12) Special versions on demand
- 13) Enclosures for harsh environmental requirements with special resistance at industrial washing
- 14) EMC enclosures with special finishing

(I) Integrated pegs in the casting of the enclosures may become a source of weakness due to the material itself(aluminum alloy) and to corrosion when locked by the levers made with different materials. In fact the coating applied on the enclosures and on the integrated pegs easily disappears due to the high pressure applied during the locking and unlocking operations. With humidity, water and other liquids present in the industrial environment, the direct contact between metals with different electrochemical potential will cause corrosion, breaking, malfunctions and the losing of the IP protection degree.

(II) We guarantee the best performance and the precise conformity with the standards when westec inserts, enclosures and cable glands are used.

ROHS Compliance :

The products are in accordance with the European Directive 2002/95/EC and its amendments Directive 2008/35/EC on the use of certain hazardous substances in electrical and electronic equipments (ROHS)

Range Available :

-S-A series, size A «21x21», 10A - 230V/400V / 4kV / 3, 3-4 poles inserts, screw terminals

-S-A series inserts, 16A - 250V / 4kV / 3,10 ÷ 32p - screw and crimp terminals

-S-D series, inserts, 10A - 250V / 4kV / 3, 7-128 poles - crimp terminals

-S-D series, size 3A«21x21», 10A - 50V / 0,8kV / 3, 8 poles - inserts with crimp terminals

-S-DD series, 10A - 250V / 4kV / 3, 24-216 poles inserts - crimp terminals

-S-E series, 16A - 500V / 6kV / 3, 6-48 poles inserts - screw and crimp terminals

-S-EE series, 16A - 500V / 6kV / 3, 10-92 poles inserts - high density, crimp terminals

-S-ES series, 16A - 500V / 6kV / 3, 6-48 poles inserts - with spring terminals

-S-EP series, 16A - 500V / 6kV / 3, 6-48 poles inserts - Push in terminals

-S-EAV series, 16A - 500V inserts, 6-24 poles - with screw terminals block

-S-EHV series, 16A - 830V inserts - screw and crimp terminals

-S-ESHV series, 16A - 830V / 8 kV / 3 inserts - with spring terminals

-S-HSB series, 35A - 830V / 6kV / 3 inserts - screw terminals

-S-K series, inserts with combined 80A power and 16A signal contacts

-S-Q series inserts, size 3A «21x21»

* S-Q 5/0 16A 230/400V / 4kV / 3-5p + ⊕

* S-Q 12 10A 400V / 6kV / 3-12p + ⊕

-S-QD series inserts, size «32x13»

* S-QD 8/0, 16A 500V / 6kV / 3-8p + ⊕

* S-QD 17, 10A 250V / 4kV / 3- 17p + ⊕

* S-QD 4/2, 4x40A 400/690V power + 2x10A 250V signal contacts

* Contacts for S-Q / S-QD series

-Enclosures (hoods/housings). Technical characteristics and applications

-Enclosures (hoods/housings). Size 3A «21x21» STD and HE type

-Hoods/housings STD type size 10A «49x16», 16A «66x16», 32A «66x40»

-Hoods/housings STD and STD-HV types sizes 6B,10B, 16B, 24B, 32B, 48B single locking system (1 lever)

-Housings STD and STD-HV types sizes 6B,10B, 16B, 24B, with automatic cover

-Hoods/housings STD type, sizes 6B, reversed single locking system (1 lever)

-Hoods/housings STD and STD-HV with central locking lever

-Hoods/housings STD and STD-HV types sizes 10B, 16B, 24B, 32B double locking system (2 levers)

-Hoods/housings STD and STD-HV types sizes 10B, 16B, 24B, with double cable entry with 4 pegs for 2 levers

-Hoods/housings STD and STD-HV types sizes 10B, 16B, 24B, reversed double locking system (2 levers)

-Hoods/housings HE type, for harsh environmental requirements, size 10A, 16A, 32A

-Hoods/housings HE type, for harsh environmental requirements, size 6B,10B, 16B, 24B, 32B, 48B single locking system (1 lever)

-Hoods/housings HE and HE-HV type, for harsh environmental, with central locking lever, size 10B, 16B, 24B

-Hoods/housings HE and HE-HV type, for harsh environmental requirements, 2 levers, size 10B, 16B, 24B, 32B

-Hoods/housings HE and HE-HV type, for harsh environmental, with reversed double locking system, 2 levers, size 10B, 16B, 24B, 32B

-Hoods/housings EMC type, for EMC applications

-Hoods/housings, STD, HE, EMC type for S-QD inserts, size 32x13



Cables, systems and more... *from*



Flexible Control Cables



PVC-control cables

ÖPVC-JB/OB, ÖPVC-JZ/OZ
Unshielded, shielded or steel wire braided
ÖPVC-JZ/OZ 0,6/1KV black, also shielded
2YSL(St)CY-J 0,6/1KV EMV
2YSL(St)CY-J 0,6/1KV EMV-3 PLUS
both types also UV-resistant

Harmonised control cables

H05VV5-F, H05VVC4V5-K
Multinorm H05VV5-F HAR/UL/CSA,
Multinorm-CY H05VVC4V5-K HAR/UL/CSA
2-Norm (H)05VV5-F UL/CSA
2-Norm-CY (H)05VVC4V5-K UL/CSA

Halogen-free control cables

FLAME-JZ/OZ-H FRNC, FLAME-JZ/OZ-CH FRNC
FLAME-JZ/OZ-Hö FRNC *oil-resistant*
FLAME-JZ/OZ-CHö FRNC *oil-resistant*

PUR-control cables, cables for hand-held machinery

PUR (N)YMH11YÖ GREY/YELLOW, H05BQ-F, H07BQ-F

Special single cores

Highflex LiFY, ESUY

Cables for photovoltaics

SOLAIRFLEX-150H FRNC+UV 0,6/1 kV

Electronic cables

ELITRONIC LIYY, ELITRONIC-CY LIYCY
PAARTRONIC[®] LIYY (TP), PAARTRONIC[®]-CY LIYCY (TP)
PAARTRONIC[®]-CY-CY LIYCY-CY (TP) pair and overall shielded

Halogen-free electronic and computer cables

ELITRONIC-H LIHH, ELITRONIC-CH LIHCH
PAARTRONIC[®]-H LIHH (TP),
PAARTRONIC[®]-CH LIHCH (TP)

Electronic and control cables for intrinsically safe systems

ELITRONIC-OZ LIYY-OZ EB
ELITRONIC-OZ-CY LIYCY-OZ EB

Approved electronic cables

ELITRONIC LIYY UL/CSA, ELITRONIC-CY LIYCY UL/CSA
PAARTRONIC[®] LIYY (TP) UL/CSA,
PAARTRONIC[®]-CY LIYCY (TP) UL/CSA DATATRONIC[®]-CY UL

Low-capacitance data cables

DATEx-CY Li2YCY (TP), DATEx-CYv + UV Li2YCYv (TP),
DATEx-PIMF-CY Li2YCY-PIMF

Hook up and installation cables

JE-Y(ST)Y Bd, JE-LIYCY Bd, RD-Y(ST)Y Bd

Halogen-free installation cables

JE-H(ST)H Bd, JE-H(ST)H Bd FE180 E30-E90,
JE-H(ST)HRH Bd FE180 E30-E90 BMK,
JE-LIHCH Bd, RD-H(ST)H Bd

Instrumentation cables

RE-2X(ST)Yv PV-af, RE-2X(ST)Yv PIMF PV-2af
RE-2X(ST)2Y(Z)Y PPOV-af, RE-2X(ST)2Y(Z)Y PIMF PPOV-2af,
RE-2X(ST)2YbY PPDV-af, RE-2X(ST)2YbY PIMF PPDV-2af
RE-2X(ST)2YMYbY PIMF PPLVDV-2af

Telecommunication cables

J-YY Bd, J-Y(ST)Y Lg, J-2Y(ST)Y St III Bd, J-H(ST)H Bd
A-2Y(L)2Y St III Bd, A-2YF(L)2Y St III Bd

Electronic cables, telecommunication cables and wires for intrinsically safe systems



BUS-, LAN-, Koax-, Video-cables and system flat ribbon cables



Cables for INTERBUS systems

INTERBUS and INTERBUS HYBRID (RBC) / /NBC for
normal requirements, for laying underground and
drag chain applications

Cables for PROFIBUS[®] systems

(e.g. SUCOnet P[®], Modulink P[®], VariNET-P[®],
Siemens L2-DP, F.I.P.-Feldbus)
PROFIBUS[®] L2-D 100 120 Ω, PROFIBUS[®] PVC 150 Ω,
PROFIBUS[®] 2462 C-PE 150 Ω, PROFIBUS[®] 2474 C-PVC
100 Ω for flexible applications, fixed laying, laying under-
ground, for drag chain applications and for intrinsically
systems

Cables for other BUS-systems

SAFETY-BUS C-H triple cores, AS-Interface TPE/G -
single pair, ETHERNET[®] H CAT5 100 MBit/s 2 and 4 pairs,

CAN-Bus for normal requirements an drag chain
applications DeviceNet H/PVC/PUR Trunk & Drop Cable
Hybrid, for fixed laying and for drag chain applications
EIB ST-PVC two pairs / Hybrid for fixed laying

LAN

LAN-Cable CAT.5, CAT.6, CAT.7

Coaxial cables

(also available as multiple coaxial cables)
RG Coaxial-Cable 50/75/95 Ω, HF Koaxial-Cable 50 Ω,
Video Coaxial-Cable 75 Ω, Special Coaxial-Cable
50/75/95/120 Ω, RGB Coaxial-Cable

System flat ribbon cables with UL approval

System flat ribbon cable FBL UL grey with marking and
coloured, Rounded system flat ribbon cable, UL

Data transmission cables,
resistant to oil and petrol

A-Y(ST)YÖ

High voltage cables, resistant to oil and petrol
(N)YYÖ

Cables for probes and limiting value transmitters,
resistant to oil and petrol

Coaxial-Cable RG 59 blue

LIYCYÖ, LI2YCYVÖ-OBX,

LIY(ST)YÖ, LI2Y(ST)YÖ, RE-2Y(ST)YÖ

Cables for use in petrol stations





Cables, systems and more... *from*



Control cables for use in drag chains

KAWEFLEX® 3110, 3120, 3130, 3210, 3220, 3225, 3230 SK shielded and unshielded, for normal, increased and high requirements

Control cables for use in drag chains with UL/CSA-approval

KAWEFLEX® 5110, 5115, 5130, 5210, 5215, 5230 SK shielded and unshielded, for normal, increased and high requirements

Robot cables for use under torsional stress

KAWEFLEX® 3510 und 3520 ROB shielded and unshielded for torsional stress

Drag chain electronic cables

KAWEFLEX® 3310, 3320, 3330, 3335, 3340, 3325 SK shielded and unshielded, for normal, increased and high requirements

Drag chain electronic cables with UL/CSA approval

KAWEFLEX® 5330, 5340 SK shielded and unshielded, for normal and high requirements

Cables for Cleanrooms

KAWEFLEX® 3131, 3231, 3321, 3341 CLEANLINE shielded and unshielded, for high requirements

Cables for use in drag chains, robot cables (also with UL/CSA approval)



System Oriented Cables



Cables for servo-drives 0,6/1 kV

KAWEFLEX® 4210 SK for drag chain applications, for normal requirements

KAWEFLEX® 4270 for fixed and flexible laying

Cables for servo-drives 0,6/1 kV

with UL/CSA-approval according to SIEMENS or Bosch Rexroth standard

KAWEFLEX® 5221 5225, 5251, 5255, 5281, 5285, 5290 SK 4 supply cores, resp. 4 supply cores + shielded cores or pairs for brake and temperature also low capacitance types. All types for drag chain applications, for high requirements

5290 SK for extreme speed and acceleration

Electronic-, Video- and Signal cables, shielded

KAWEFLEX® 43xx

For flexible and fixed laying

KAWEFLEX® 44xx SK

For drag chain applications, for high requirements

Electronic-, Video- and Signal cables, shielded with UL/CSA approval

KAWEFLEX® 54xx SK-C-PUR-cUL also according to SIEMENS Standard, for drag chain applications, for high requirements

PVC flat cables

H05VVH6-F, (H)05VVH6-F, H07VVH6-F, (H)07VVH6-F

PVC special flat cables, unshielded and shielded

YFLY, KYFLY, YCFLY, YFLCY, KYFLY, KYFLCY (EMC)
H05VVD3H6-F, KYFLTY, KYFLTFY, KYFLTY, KYFLTY (EMC)

Polychloropren (Neoprene®) Flat cables

NGFLGÖU, (N)GFLGÖU, M(StD)HÖU, MCHÖU (EMC)

Halogen-free flat cables

LSOH, (H)05Z1Z1H6-F

PVC lift cables

KYSTY, KYSTUY, YSSTY, YSSTCY, YSSTVCY KYSTUY, KYSTCY, KYSTCUY, KYSTFUY

Halogen-free lift cables

KHSTUH, K12YSTU11Y, K12YSTCU11Y, K2YSTU11Y, K12YSTFU11Y

PVC control cables with and without supporting element

YMHY-KT, YMHY-KST, YMHY-K, YMHYCY-KT (EMV), FYMYTW

Polychloropren (Neoprene®) control cables with supporting elements

FLGÖU, STN, STCN (EMC)

Reelable cables

TROMMELFLEX PUR-HF, TROMMELFLEX (K) NSHTÖU-J, (N)SHTÖU-J CORDAFLEX® (SMK) (N)SHTÖU-J, TROMMELFLEX (N)SHTÖU-J UL

Cables for basket use

SPREADERFLEX® YSLTÖ, BASKETHEAVYFLEX®

Trailing cables 1-30 kV

(N)TSCGEWÖU (SMK), (N)TSKGEWÖU (SMK)
LWL (N)TSCGECWÖU, (N)TSCGECWÖU LWL

Round Rubber cables for cable trolley systems

FESTOONFLEX PUR-HF (N)GRDGÖU RONDOFLEX®, (N)GRDGCÖU RONDOFLEX® (C)-FC

Battery charge cable

WYBLYK

Crane, conveyor and lift cables



Fiber optic cables



Twenopto

Glass fiber and fiber optic cables



Cables, systems and more... *from*



Light and middle rubber-sheathed flexible cables
H05RR-F/H05RN-F

Heavy rubber-sheathed cables
H07RN-F, A07RN-F, H07ZZ-F, NSSHÖU

Welding cables
H01N2-D, H01N2-E

Special rubber cores
NSGAFÖU

Cables for permanent use in water
TML N-RD for industrial water, round,
TML N-F for industrial water, flat
TML T-RD for drinking water, round,
TML T-F for drinking water, flat

Rubber-Sheathed cables



Heat resistant cables and compensating cables



Heat resistant PVC cables for temperatures up to +105°C
THERM-105-EA, THERM-105, THERM-105+C

EVA-insulated cables for temperatures up to +120°C
H05/07G-K

TEFZEL-insulated cables for temperatures up to +150°C
THERM-145-EA, THERM-145, THERM-145+C

Silicone-insulated cables for temperatures up to +180°C
SiD; SiD/GL; SiF; SiF/GL; SiFF; SiFv; SiZ
ZKSi ignition cable, HZLSi high voltage ignition cable,
SiL neon cable
SIHF-J, SIHF-J+C, SIHF-J/GLP, H05SS-F, H05SST-F

TEFLON®-insulated cables for temperatures up to +205°C/ +260°C
THERM-205-FEP-EA, THERM-205-FEP,
THERM-205-FEP+C, THERM-205-FEP/GL,
THERM-205-FEP/GLP, THERM-260-PTFE-EA,
THERM-260-PTFE, THERM-260-PTFE+C
THERM-260-PTFE/GL, THERM-260-PTFE/GLP

Special-insulated cables for temperatures over +260°C
THERM-350-GLI/GL-EA, THERM-350-GLH/GL,
THERM-350-GLH/GLP
THERM-1250-GLI/GA-EA,
THERM-1250-GLIGAHGLI/GAP
THERM-1550-FLAME

PVC-insulated wires
LIYvz, H05V-U/-K, H07V-U/-K/-R

PVC-insulated wires with UL/CSA approval
Multinorm H05V-K, H07V-K HAR/UL/CSA, wire UL/CSA

Halogen-free single cores
LIHvz, H05Z-U/-K, H07Z-U/-K/-R

Shielded single cores
ELITRONIC-CY LIYCY

Installation cable
NYM

Halogen-free installation cables
NHXMH

High voltage cables
NYY 0,6/1 kV, NYCY 0,6/1 kV, NYCWY 0,6/1 kV

Cables and wires for fixed installation



Ship and marine cables



Twenkaship
TKF halogen-free marine cables

Railroad cables



Twenkarail
Railroad, communications and signaling cables

Spiral cables and ready made cable assemblies



Spiral cables and ready made cable assemblies
KAWEFLEX® Spiral cable PVC, Neoprene, PUR,
unshielded, shielded

Shaft lighting / Fastening material / Accessoires

Suspension clamps and fastening material for flat and round cables

Mounting plates, Fastening material, Shaft lighting

Shaft lighting, Fastening material, Accessories





Cable Trolley System *from*

helaform

Cable trolley system for carrying electric cables

Product Range :

Cable Trolleys for both flat cables and round cables.



Track K-100

Cable trolley system for track K-100

Cable trolley without cable holder KVLP-100I



End clamp KVLK-100



Towing trolley KV-100



Cable trolley metal body KVL-40



Cable Holders

Cable holder,
hose 8 – 15 mm, model A



Cable holder,
hose 16 – 24 mm, model B



Cable holder,
hose 25 - 35 mm, model C





Energy Drag Chain *from*



Kolibri



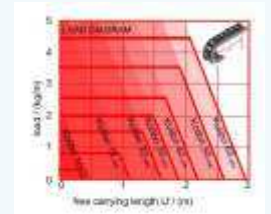
Dimensions
bending radii: 15 to 300 mm
inner height: 7 to 50 mm
inner width: 7 to 205 mm
weight: 0,06 to 2,7 kg/m

Temperature : -20°C to +100°C.

Applications : robotics, handling, transportation, paper production, textile industries, water plants

Special variants

ELTOLA ... silent running
ALLROUND ... all movements
ATEX ... EX-protection
ESD ... antistatic
V-0 ... self extinguishing



PKK

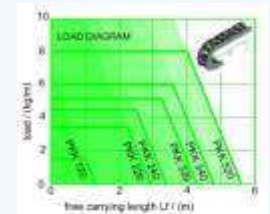


Dimensions
Bending radii: 40 to 500 mm
Inner height: 16 to 80 mm
Inner width: 30 to 300 mm
Energy chain weight: 0.6 to 3.4 kg / m
Temperature : -20 ° C to + 100 ° C.

Applications : robotics, handling equipment, machine tools, textile machinery

Special versions

ELTOLA ... silent running
ALLROUND ... all movements
ATEX ... EX-protection
ESD ... antistatic
V-0 ... self extinguishing



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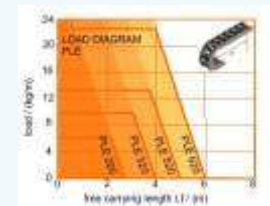


Dimensions
Bend radii: 75 to 750 mm
Inner height: 31 to 115 mm
Inner width: 50 to 1000 mm
Energy chain weight: 1,9 to 7,2 kg / m
Temperature : -20 ° C to +100 ° C.

Applications : Machine tools, Handling technology, Conveying and lifting equipment

Special versions

ALLROUND ... all movements
ATEX ... EX-protection
ESD ... antistatic
V-0 ... self extinguishing



SLE

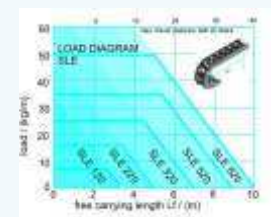


Dimensions
Bending radius : 60 to 600 mm
Interior height : 19 to 118 mm
Interior width : 20 to 1000 mm
Energy chain weight : 2,2 to 25 kg / m
Temperature : -20 ° C to + 600 ° C
 (-40 ° C stainless steel to + 600 ° C).

Applications : machine tools, mills, special machinery, wood processing industry, conveying and lifting equipment

Special types

Stainless Steel
Carburated (hardened)





Energy Drag Chain *from*



GKA



Dimensions

Bend radius: 200

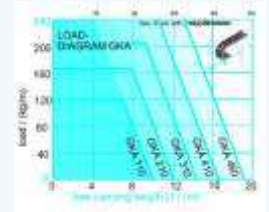
Inner height: 118 to 468 mm

Inner width: 100 to 1000 mm

Energy chain weight: 25 to 85 kg / m

Temperature : -20 ° C to + 600 ° C
(stainlesssteel -40 ° C to + 600 ° C).

Applications : steel plant, water power plant, mechanical engineering



SFK



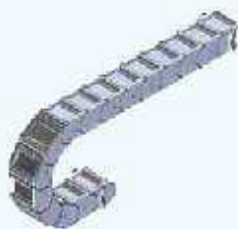
Dimensions

Bend radius: 100 to 300

Energy chain weight: 3,0 to 6,6 kg / m



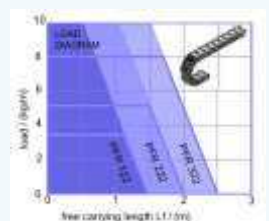
PFR



Dimensions

Bend radius: 75 to 300

Energy chain weight: 0,7 to 4,6 kg / m



TROUGHS



Dimensions

weight: 3,5 to 0,004 kg / m

PKK 328

trough angle height 200 mm

connector angle height 160 mm



Cable Glands, Conduits... *from*



Cable Glands

PG Thread Cable Glands



Material : Polyamide 6
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Protection Class : IP 68
Permanent operational temp. : - 40°C to + 100°C
Short term max. Operational temp. : +150°C
Seal : Thermoplastic Rubber

Metric Thread Cable Glands



Material : Polyamide 6
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Protection Class : IP 68
Permanent operational temp. : - 40°C to + 100°C
Short term max. Operational temp. : +150°C
Seal : Thermoplastic Rubber

Spiral Cable Glands



Material : Polyamide 6
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Protection Class : IP 68
Permanent operational temp. : - 40°C to + 100°C
Short term max. Operational temp. : +150°C
Seal : Thermoplastic Rubber

Flat Type Cable Glands



Material : Polyamide 6
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Protection Class : IP 68
Permanent operational temp. : - 40°C to + 100°C
Short term max. Operational temp. : +150°C
Seal : Thermoplastic Rubber

Metal Cable Glands



Material : Brass, Nickel Plated
Clamping Insert : Polyamide 6
Seal : Thermoplastic Rubber
Protection Class : IP 68
Temp. range : - 40°C to + 100°C
O-ring : NBR

Conduits

PG Spiral Polyamide Conduits



Material : Polyamide
Size : 7x10mm, 8.5x12mm, 10x13mm, 12x15.8mm, 14.2x18.4mm, 16.5x21.2mm, 23.5x28.4mm, 29x 34.5mm, 36x42.5mm, 48x54.5mm
Colour : Gray, Black
Permanent operational temp. : - 40°C to + 120°C
Halogen free

Split Conduits



Material : Polyamide
Size : 7x12mm, 10x15.8mm, 14.2x21.2mm, 23.5x34.5mm, 36x54.5mm
Colour : Gray, Black
Permanent operational temp. : - 40°C to + 120°C
Halogen free

Metal Conduits



Material : GALVANIZE, Steel
Cover : PVC (POLYVINYL CHLORIDE) HOLOGEN FREE & FLAME RESISTANT
Protection Class : IP54 / IP65
Permanent Operational Temp. : (-)10°C (+)70°C
Usage Places : building's ceiling floor, plasterpan, underflooring systems, office applications, food and chemical sector instrument connections, security systems, all industry foundations, all construction industry protection of machine, electric, electronic, instrument system, electric illumination systems

Reducers

Metal Reducers



Material : BRASS
Cover : NICKEL PLATED
Protection Class : Ip55



Cable Glands, Conduits... *from*



Conduit Glands

PG Thread Conduit Glands



Material : Polyamide 6
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Permanent operational temp. : - 40°C to + 100°C
Short term max. Operational temp. : +150°C

PG Thread Spiral Connectors



Protection Class : Ip 67
Colour : Gray, Black
Halogen free

Metric Thread Spiral Connectors



Protection Class : Ip 67
Colour : Gray, Black
Halogen free

Special Metric Thread Spiral Connectors



Protection Class : Ip 67
Colour : Gray, Black
Halogen free

Blind Stops

Metal Blind Stop



Material : BRASS, NICKEL PLATED
Available from : PG 7 to PG 48

PG & Metric Blind Stop



Material : Polyamide 6
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Permanent operational temp. : - 40°C to + 100°C
Short term max. Operational temp. : +150°C

Lock Nuts

Lock Nuts



Material : Polyamide 6+%30 Glass Fibre reinforced
Colour : RAL 7001 (Gray), RAL 7035 (L. Gray), RAL 9005 (Black)
Permanent operational temp. : - 40°C to + 120°C
Short term max. Operational temp. : +150°C

Metal Lock Nuts



Material : Brass, Nickel Plated
Available from : PG 7 to PG 48



Terminals *from*



Spring clamp termination systems



CAGE CLAMP is a unique, patented, stainless steel clamping mechanism designed to automatically connect solid or stranded wires. Various CAGE CLAMP sizes are available to accommodate wire sizes from 0.08 mm to 35 mm. Other than stripping the wire, no special wire preparation such as crimps, ferrules or tinning is necessary. Most screwless systems offered by other manufacturers are based on the leaf-spring principle. This type of connection is found in the back of many electrical outlets. Leaf-spring is only recommended for larger, solid wire since it has no sides to contain the strands and because of the sharp angle in which the wire is contacted.



Suitable for all copper conductors

- | | |
|-------------|--------------------------|
| 1. Solid, | 2. Stranded, |
| 3. Flexible | 4. Flexible with ferrule |

Front-entry rail-mounted terminal Blocks



Rail-mounted terminal blocks with CAGE CLAMP[®] connection. Whether they are through, ground (earth) conductor and shield (screen) terminal blocks, angled and horizontal type; distribution, high-current and multilevel terminal blocks - we have the ideal terminal block with front-entry wiring for any field.

Miniature rail-mounted terminal blocks



CAGE CLAMP connection for DIN 15 and DIN 35 rails - ideal for tight spaces.

Rail-Mounted Terminal Blocks (Side-Entry)

For more than 20 years, the WAGO rail-mounted side-entry terminal blocks (as well as WAGO disconnect terminal blocks for test and measurement) with CAGE CLAMP[®] connection technology, have been providing safe connections.



WAGO X-COM[®] SYSTEM

Our possibilities - your benefits. The WAGO X-COM[®] system
The WAGO X-COM[®]-SYSTEM, a fusion of connectors and rail-mounted terminal blocks, has grown to become a building block for universal system wiring since being introduced onto the market in 1997. This system makes all current rail-mounted terminal block functionalities suitable for plug and play applications. Even components that are not mounted on a TS 35 carrier rail can be easily incorporated into existing system wiring using the X-COM-SYSTEM[®].

There are X good reasons to use the WAGO X-COM[®]-SYSTEM:

- 3) More cost effective replacements of durable plugs. For all applications up to 500 V / 32 A / 4 mm².
Using WAGO X-COM[®] can save you up to 60%!
- 4) Simple planning and testing using a 1-pole female connector.
- 5) Electronic groups can be directly integrated into the system wiring.
- 6) Economize control cabinet production. Having pluggable connections in all application areas means saving costs through the use of pre-assembled components!
- 7) Pluggable potential distribution for up to 6 potentials.
- 8) Double deck terminal blocks save space.



Benefits:

- 1) 100 % protection against mismatching and
- 2) touch protection even when not assembled.



Terminals *from*



COMPACT Rail-Mounted Terminal Blocks

Compact and versatile:

WAGO front-entry rail-mounted terminal blocks of series 870 with CAGE CLAMP® DIN 15 and DIN 35 rails.



WAGO - I/O - System

PROFIBUS
INTERBUS
ETHERNET TCP/IP
DeviceNet
CANopen

MODBUS
LONWORKS
II / O-LIGHTBUS
CC - Link



Automation Technology

Rail-mounted terminal blocks with overvoltage protection

Rail-mounted terminal blocks with coupler functions



Connectors - Multi Connection System

Multi Connection System Micro - 100% Protected against Mismatching, Headers with Solder Pins; Male and Female Connectors with CAGE CLAMP, Pin Spacing 2,5 mm / 0.098



PCB Terminal Blocks

PCB Terminal Strips with CAGE CLAMP® Series 218, 233 and 234, pin spacing 2.5 mm 5.08 mm and 7.5 mm



Installation technology

Push-wire connectors for junction boxes, lighting connectors
WINSTA® connectors for building installation





Remote Controllers *from*



Remote Controllers



Features :

- Available from 24V to 230V AC
- Single speed and Dual speed variants available
- Simultaneous operation of up to 50 Devices without interference
- Easy plug-in interface provides quick and easy installation on existing cranes
- Rugged industry design to provide precise operation, degree of protection Ip65
- Remote available in 8 and 12 buttons variant with key-lock and Emergency Push button

Highlights :

- Operating temperature -25 C - + 70 C
- Impact and temperature resistant housing
- Lockable switch to prevent un-Authorized use
- Improved safety due to extended range, typically 150M
- Hassle free operation, Resistant to Dust, Water, Oil, acids, alkaline, heat, and sunlight
- Less power consumption, 150 hours of continuous operation with just two "AA" Alkaline Cells

67 Series Single Speed Wireless Controller

Features:

- Accurate in transmitting, receiving, decoding and controlling of all output relays.
- More than 150 hours of continuous operation with just two off-the-shelf "AA" alkaline batteries.
- Can cover up to 150 Meters distance between transmitter and receiver.
- Upto 50 wireless controllers can be installed in a single location.
- Light weight.

Specifications - Transmitter

Frequency Range	422 to 438 MHZ
Channel Spacing	25KHz
Transmitting Range	150 Meters
Hamming Distance	6
Frequency Control	Quartz Crystal
Transmitting Power	0.3mW
Operating Temperature	-25°C ~ +70°C
Source Voltage	3.0V ("AA" x 2)
Current Drain	10~18mA
Weight(approx.)	220g.
Degree of Protection	IP 65

Specifications - Receiver

Modulation	Narrow Band FM
Decoding Reference	Quartz Crystal
Frequency Control	Synthesizer (PLL)
Sensitivity	-120dBm
Responding Time	40mS
Output Contact	250V @ 10A
Operating Temperature	-25°C ~ +70°C
Source Voltage	AC 24V ~ 230V available
Power Consumption	7.7 Watts
Weight (approx.)	835g.
Degree of Protection	IP 65



66 Series Dual Speed Wireless Controller

Features:

- Accurate in transmitting, receiving, decoding and controlling of all output relays.
- More than 150 hours of continuous operation with just two off-the-shelf "AA" alkaline batteries.
- Can cover up to 150 Meters distance between transmitter and receiver.
- Upto 50 wireless controllers can be installed in a single location.
- Light weight.

Specifications - Transmitter

Frequency Range	422 to 438 MHZ
Channel Spacing	25KHz
Transmitting Range	150 Meters
Hamming Distance	6
Frequency Control	Quartz Crystal
Transmitting Power	0.3mW
Operating Temperature	-25°C ~ +70°C
Source Voltage	3.0V ("AA" x 2)
Current Drain	10~18mA
Weight(approx.)	300~320g.
Degree of Protection	IP 65

Specifications - Receiver

Modulation	Narrow Band FM
Decoding Reference	Quartz Crystal
Frequency Control	Synthesizer (PLL)
Sensitivity	-120dBm
Responding Time	40mS
Output Contact	250V @ 10A
Operating Temperature	-25°C ~ +70°C
Source Voltage	AC 24V ~ 230V available
Power Consumption	7.7 Watts
Weight (approx.)	835g.
Degree of Protection	IP 65





Aluminum Boxes *from*

Westec®

Aluminium enclosures with external mounting flanges

General technical characteristics and applications :

Metal enclosures for installation, circuit breaking, connection control of electric and electronic equipments.

For industries, automation, railways, navy, tunnels, parkings, industrial buildings

The enclosures are in conformance with the Low Voltage Directive 2006/95/EC, with EMC Directive 2004/108/EC where applicable and with the Standards:

EN 60670-1 Boxes and enclosures for electrical accessories for household and similar fixed electrical installations.

EN 60670-22 Particular requirements for connecting boxes and enclosures.

EN 62208 Empty enclosures for low voltage switchgear and controlgear assemblies.

NEMA 250 National (USA) Electrical Manufacturers Association. Class (Type) of protection.

6 series are available :

- 1 - Standard with polyester powder coating grey RAL9006
- 2 - Standard with polyester powder coating grey RAL7035
- 3 - Standard with polyester powder coating grey RAL7037
- 4 - Sandblasted without coating
- 5 - EMC series. Sandblasted without coating. Pls refer to note of page 18.06
- 6 - HE type for harsh environmental and for high temperature up to 230°C. Black RAL9005 with polyester powder coating

8 Sizes are available :

from 90 x 90 x 53 mm, size 1 (S1) to 392 x 298 x 144 mm, size 7 (S7) Size S-3 with high cap (HC)

Protection degree according to EN 60529 : Ip66

Protection degree according to NEMA 250 : Type 4, 4x, 12, 13
Type 4x, with coated surfaces only

Working temperature : - 40°C to + 125°C

High mechanical strength and vibration resistance.

Captive screws



High protection against magnetic interferences

Anti-ageing materials, water resistant, oil resistant, grease resistant and fuel resistant.

Materials

- **Body and Cover :** Die Cast aluminium alloy
- **Colors :** Type STD Grey RAL 9006, Type STD Grey RAL 7035, Type STD Grey RAL 7037, Type HE Black RAL 9005, Type sandblasted Al natural color
- **Coating :-** Polyester powder
- **Gaskets :-** In anti-ageing, oils, greases and fuel resistant silicone
- **Screws :-** Steel with Geomet® treatment to prevent corrosion especially with aluminium parts
- Steel zinc plated for screws used internally
- **Metal plates :-** Steel zinc plated

Aluminium enclosures for Industrial purpose

General technical characteristics and applications :

Metal enclosures for installation, circuit breaking, connection and control of electric and electronic equipments.

For mechanical and electro mechanical industries, industrial automation, automotive, railways, navy, tunnels, parkings, industrial buildings

The enclosures are in conformance with the Low Voltage Directive 2006/95/EC, with EMC Directive 2004/108/EC where applicable and with the Standards:

EN 62208 : Empty enclosures for low voltage switchgear and controlgear assemblies

NEMA 250 : National (USA) Electrical Manufacturers Association. Class (Type) of protection.

DIN 40050-9 / ISO 20653 : Electrical equipments in road vehicles. Enclosures. Water test with high pressure. IP69K.

NEMA ICS5 : Food and beverage industries. High pressure power wash test procedure for self contained control-circuit devices.

High mechanical strength and vibration resistance.

Captive screws

High protection against magnetic interferences

Anti-ageing materials, water resistant, oil resistant, grease resistant and fuel resistant.

The enclosures can be mounted internally through holes

Inside the boxes the DIN rail or the metal plate can be assembled for mounting terminal blocks, breakers, fuse holders, control devices, transformers, electronic circuits, connectors, etc.

5 series are available:

- 1 - Standard with polyester powder coating grey RAL 7001
- 2 - Standard with polyester powder coating grey RAL 7035
- 3 - Standard sandblasted without coating.
- 4 - EMC series. Sandblasted without coating. Pls refer to note of page 18.06
- 5 - HE type for harsh environmental and for high temperature up to 230°C. Black RAL 9005 with polyester powder coating

The enclosures HE series have the best performances of the enclosures HE series for the MIC connectors: These performances are listed on pages 18.05, 18.15 and 18.16 of this catalogue.



Protection degree according NEMA 250 : Type 4, 4x, 12, 13
Type 4x, with coated surfaces only

Impact resistance EN 62262: IK 09

Working temperature: - 40°C to + 125°C

Max ambient temperature : 75°C
Ambient temperature average value over 24h: 60°C

Max relative humidity at 25°C : 100%
Max relative humidity at 40°C: 50%

With ground terminal on box and on cover

Materials

- Metal body and cover: Die-cast aluminium alloy
- **Coating :-** Polyester powder coating
- **Gaskets:** in anti-ageing, oil resistant and fuel resistant silicone
- **Screws:-** Stainless steel



Accessories *from*



Press Sleeves & Cable lugs

The bush terminals are convenient for connecting stranded wires to connector inserts and terminal blocks with screw terminals. They are in accordance with DIN 46228/4



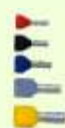
Materials:

Copper tin plated (insulation - PP)
Colors in accordance
DIN STD and French standard

For Single Conductor



For Double Conductor



Crimping toggle press



MODEL GW12KN

Features -

- For small-lot production
- Designed to match all series of crimping dies, locators and wire stops used with manual tool (please see previous pages).
- Operational height and working stroke same as with manual crimping tool
- Fine adjustment of crimping height by 0,01 mm by means of an adjusting nut at the press ram
- Forced locking system for reliable crimping (emergency release provided)
- Crimping dies and accessories easily exchangeable
- Size 150 x x256 mm
- Weight 24 Kg

MODEL GW25KN

Feature -

- Small but robust pneumatic crimping machine with a crimping force of 25kN
- Also particularly suitable for small series production due to easy resetting of machine
- Parallel movement of crimping jaws
- Guarantee exact crimped connections
- Compatible with all crimping dies and locators of the crimp system of manual crimping tools (please see previous pages)
- Vast variety of applications due to the possibility of adjusting different working strokes (< 6 mm. and > 6 to 14 mm.)
- Observing the relevant safety standards
- Convenient handling by 360° rotating die accommodation system for both left- and right handed users
- Optimal repeatable crimping results by a special driving mechanism
- Maintenance-free operation
- Crimping applications: 0,08 to 50 mm² (35 and 50 mm² for ferrules only)
- Operating pressure: 5 ÷ 10 bar
- Compressed air requirements: 0,75 l/ working stroke
- Crimp force: 25 kN - Size 325 x 500 x280 mm
- Weight 30 Kg



Special Tools for conductors and cable assembly

Precision 8 indent crimping tool

Eight (4+4) indent crimping tool for crimping in accordance with MIL - C - 225 20/1



- Special hand tools for crimping of turned male and female contacts for wire size 0,14 to 6,0 mm (26-10AWG)
- 4 concentric crimps by synchronized driven jaws.
- micro setting up to 0,01 mm tolerance
- Enclosed gauge ensures accurate calibration
- Locator for exact positioning of 12 different contact types

Insertion and removal tools for contacts die 1,6 and 2,5 mm



For crimp contacts Dia 1,6 mm (10A)
For inserts series S-D, S-DD, etc.
For crimp contacts Dia 2,5 mm (16A)
For inserts S-E, S-EE
Insertion tool for contacts dia 1,6 mm (10A)
For wires 0,14 - 1,5 mm² (26 - 16 AWG)



Economical crimping tool for turned contacts with ratchet:

- For wire section 0,5 ÷ 6,0 mm²
- For contactDia 1.6 (10A)



Removal tool for inserts assembled on DIN rail (top support)

Profesional crimping tool



- For bush terminals
- Automatic self adjustment
- For convenient handling in areas difficult to reach
- Square crimp profile showing four serrated crimp surfaces
- Cross-section range from 0,08 to 16,0 mm
- With ratchet



- For bush terminals
- Automatic self adjustment
- Square crimp profile resulting from synchronously driven crimp jaws
- To be used for ranges of 0,08 to 10,0 mm²



- For bush terminals
- Automatic self adjustment
- Hexagonal crimp profile with six serrated crimp surfaces made by 6 synchronously driven crimp jaws
- Cross-section range from 0,08 to 6,0 mm
- Ergonomic design



Cable gland for ribbon cable *from*



IP67 Plastic cable gland for ribbon cable



PATENTED



Applications with Plastic or metal enclosures

On hoods for MIC connectors

Applications with multipole connectors MIC hood / housing

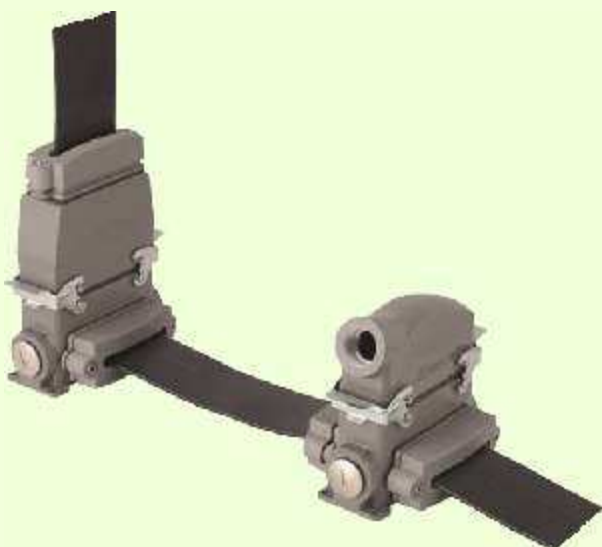
Westec cable glands allow therefore the use, the locking and the IP66 / IP69K protection of ribbon cables in the assembly with waterproof housings and junction boxes or in other applications with same demands.

The special design of the clamping die, of the sealing and of the rubber gasket, ensure the performance of this product that is waterproof, dustproof and has a high resistance to salt, acid, alkali, alcohol, grease and general solvents. The use of Westec cable gland for ribbon cables gives an optimal protection of the assembly and extends the cable life.

Different cable glands are available to fit a range of dimensions of the ribbon cables that goes from 3.8 mm to 5.7 mm of thickness and from 18 mm to 76 mm width.

The cable glands for ribbon cable represent a news on the market as no other product with similar characteristics is currently available. Westec patented this product.

For the applications requiring the connection of ribbon cables to the Heavy Duty Connectors of Westec range, the hoods in STD, HE and EMC version, complete of cable glands are now available.





Power and data interfaces *from*



Modular Power and data connecting interfaces

The Westec interfaces allow an easy connection of the machine or of the equipment to external devices such as notebooks, diagnosis units, etc and also offer, in the case of need, a power supply socket for the same devices. The interfaces are suitable for standard industrial application (STD), for harsh environment application (HE), and for electromagnetic compatibility application (EMC). Offer a protection degree IP66/IP69K with cover duly locked by its lever.

Our interfaces are composed of a diecast Aluminium hood/housing with cover of the same series used for Westec heavy duty connectors, that assure the mechanical strength necessary for the industrial application. Are available with one or two closing levers and are composed of a frame that contains a series of modules with the different power sockets or a wide range of data transmission connectors.

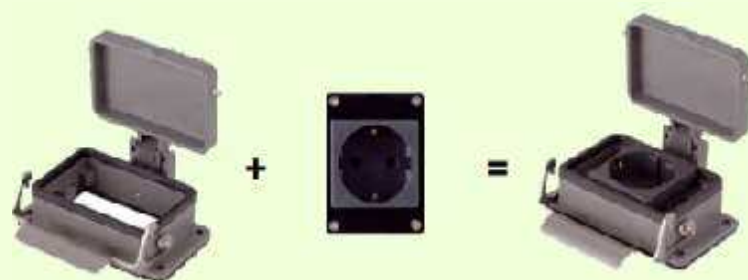
The data transmission interfaces use a series of couplers that allow the connection with cables already assembled on both sides: any soldering, crimping or any other assembly operation is therefore not necessary for the connection of the external devices through Westec interface system.

In our catalogue you can find the most common international power supply sockets and the most used data transmission couplers such as the USB, the RJ45, the D-Sub, etc.

A blank frame for the assembly of different kind of connectors or power supply sockets is also available.

Westec offers on demand, the interfaces hood/housing in grey colour RAL 7035, often used for the cabinets and control boards for machines and industrial installation.

We also recommend the purchase of the connection cables manufactured by Westec, due to the particular technical characteristics for the industrial and professional use.



- Power interface GERMANY (VDE) 2P+ ⊕
- Power interface USA / JAPAN 2P+ ⊕ x 2
- Power interface ITALY 2P+ ⊕ x 2
- Power interface FRANCE 2P+ ⊕
- Power interface GREAT BRITAIN 2P+ ⊕
- Power interface AUSTRALIA / CHINA 2P+ ⊕
- Power interface SWITZERLAND 2P+ ⊕ x 2
- Power interface EURO / USA 2P+ ⊕ x 2
- Power interface GERMANY + ITALY 10/16A 2P+ ⊕ x 2
- Data interface D-SUB 9 F-F
- Data interface D-SUB 25 F-M
- Data interface D-SUB 9 F-M x 2
- Data interface D-SUB 25 F-M x 2
- Data interface D-SUB 25 F-M + D-SUB 9 F-M
- Data interface USB A 2.0 F-F x 2
- Data interface RJ45 shielded F-F x 2
- Data interface RJ45 F-F, D-SUB 9 F-F, D-SUB 9 M-M
- Data interface RJ45 F-F, D-SUB 9 F-M, USB A 2.0 F-F
- Data interface RJ45 F-F, D-SUB 25 F-M, USB A 2.0 F-F
- Data interface RJ45 F-F, D-SUB 25 F-M, D-SUB 9 F-M



DIN rail support for inserts size B *from*



DIN rail mounted connectors



Complete set assembly

Advantages

This mounting rail system allows you to mount the multipolar connectors inserts on the rail inside the control cabinets.

- No tools are needed and contact inserts are simply snapped in place as well as the support on the rail.
- Labelling surfaces on the product allow for clear equipment identification.
- For assembling on rail 35x7,5 and 35x15 in accordance with DIN En60715.
- The support enables users to arrange a maximum number of connections in a minimum area within the control cabinet.
- Quick locking of the male with female inserts through levers.
- Fully compatible: it allows to accept inserts with same sizes not manufactured by Westec.
- The inserts can be assembled also with code pins, Part No. 7000.6875.0/7000.6875.3 male code pin.

Application : For all inserts, size :

6B <<44x27>>
10B <<57x27>>
16B <<77x27>>
24B <<104x27>>

For inserts series : S-D, S-DD, S-E, S-EE, S-EHV, S-ES, S-EP, S-ESHV, S-HSB, S-K, S-M

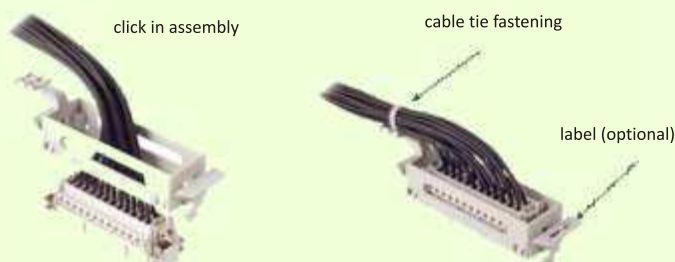
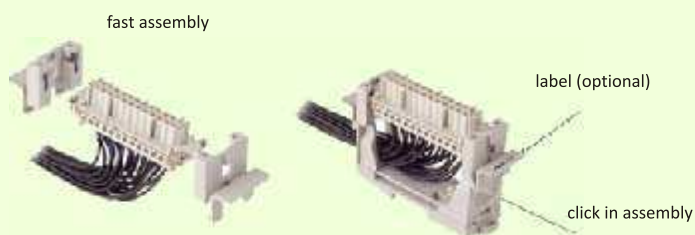
Material : Polycarbonate

Color : Grey - RAL 7044

Flammability : UL-94 V0

Base support assembly

Top Support Assembly



Delighted Customers Worldwide



Note: The logos featured above are the logos of the respective companies and KEAS is involved with these companies by providing services either directly or indirectly.

Corporate and Head Office

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